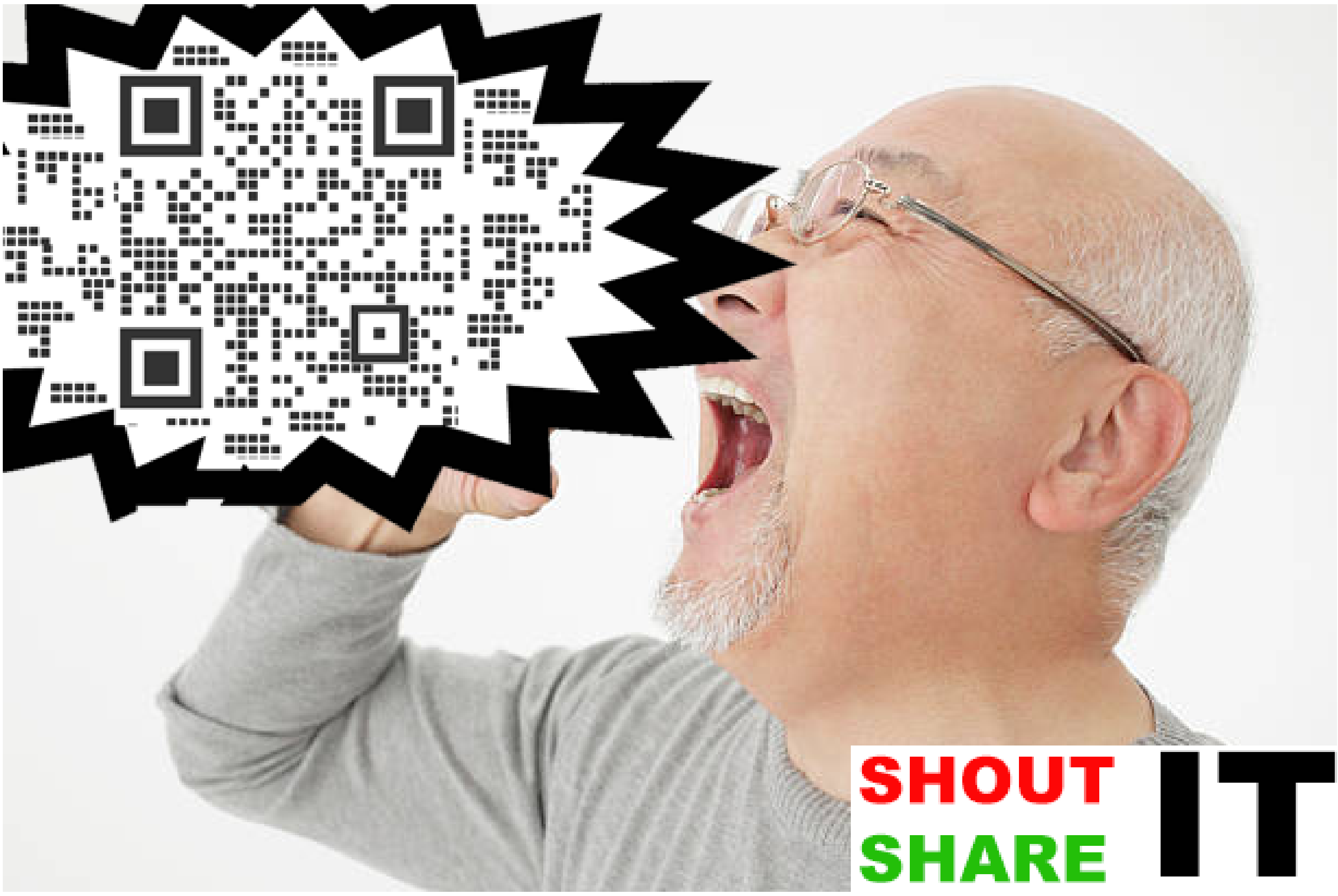
Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.


SHOUT
SHARE
IT

UNITED STATES
DEPARTMENT OF AGRICULTURE
LIBRARY

1862 1889

BOOK NUMBER 1.9
P69Lc
v.12,no.1-9
Dec.23,1929-
Apr.26,1930
Reserve
319120
GPO 8—7671

9
9Lc

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ JAN 2[illegible] 1930 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 12, no. 1. Dec.23,1929-Ja.4,1930.

Abh. Zool.-Bot. Ges. Wien.
Zumpfe, H.

Obersteirische moore, mit besonderer berücksichtigung des Hechtensee-gebietes. Abh. Zool.-Bot. Ges. Wien. v.15, no. 2. 100 p. pl. ii-vi, 2 tab., map. 1929.

Vorarbeiten zu einer pflanzengeographischen karte Oesterreichs XIII.

Acta Inst. et Horti Bot. Tartuensis.
Lipmaa, T.

Pflanzenökologische untersuchungen aus Norwegisch- und Finnisch-Lappland unter besonderer berücksichtigung der lichtfrage. Acta Inst. et Hort. Bot. Tartuensis. v.2, no.1/2. 146 p. illus., xxii pl. 1929.

From Acta et Comm. Univ. Tartuensis A XV,6.

Addisonia. (New York)

Addisonia. v.14, no.3. col.pl. 465-472. S.1929. (Rec'd Ja.1930)

Varieties of Narcissus (Fairy, Peter Barr, Edrin, White queen, Bath's flame, Bernardina, Queen of the north, Masterpiece).

Amer. Journ. Sci. (New Haven, Conn.)
Wieland, G. R.

A reef-forming phormidioid alga. Amer. Journ. Sci. V, 19: 27-31. illus. Ja.1930. no.109.

Phormidiodea superba, sp. et gen.nov.

Amer. Potato Journ.
Megee, C. R.

Some factors to consider in the use of chlorates for the control of weeds. Amer. Potato Journ. 6: 322-323. N. 1929. no.11.

Ann. Missouri Bot. Gard. (St.Louis)
Child, M.

Preliminary studies in the genus Daldinia. Ann. Missouri Bot. Gard. 16: 411-486. illus. pl.36-38. N. 1929 (D.) no.4.

562156
Agri.
350-372

Ann. Missouri Bot. Gard. (cont.)

Greenman, J. M. & Roush, E.M.F.
New agaves from southwestern United States. Ann. Missouri Bot. Gard. 16: 389-392. pl.32. N. 1929 (D.) no.4.
A. scaphoidea n.sp., A. utahensis var. nevadensis Engelm. in herb.

Greenman, J. M.
A new variety of Senecio aureus L. Ann. Missouri Bot. Gard. 16: 405-406. pl.35. N.1929 (D.) no.4.
S. aureus var. ashei.

La Garde, R. V.
Non-symbiotic germination of orchids. Ann. Missouri Bot. Gard. 16: 499-514. pl.42. N.1929. (D.) no.4.

Linder, D. H.
The life history and cytology of Saccoblastia intermedia, n.sp. Ann. Missouri Bot. Gard. 16: 487-494. pl.39-41. N.1929 (D.) no.4.

Mathais, M. E.
Notes on southwestern plants. Ann. Missouri Bot. Gard. 16: 399-404. illus. (map), pl. 34. N. 1929 (D.) no.4.
Gaura suffulta Englemann, Houstonia croftiae Britton & Rusby.

Mathias, M. E.
Studies in the Umbelliferae II. Ann. Missouri Bot. Gard. 16: 393-398. pl.33. N.1929 (D.) no.4.
Neoparrya n.gen. (N.lithophila), Eryngium wolffii new name.

Woodson, R. E.
Studies in the Apcynaceae IIIA. A new species of Amsonia from the south-central states. Ann. Missouri Bot. Gard. 16: 407-410. N.1929 (D.) no.4.
A. illustris.

Ann. Rep. Land & For. Dept. Sierra Leone (Freetown)

Deighton, F. C.
Report of the mycological section. Ann. Rep. Lands & For. Dept. Sierra Leone. 1928: 14-19. 1929.

Ark. Bot. (Stockholm)

Arwidsson, Th.
Ueber das vorkommen von mollusken in den luftblasen von Ascophyllum nodosum. Ark. Bot. v.22B, no.1. 6 p. N.19, 1929 (Rec'd D.) no.4.

Du Rietz, G. E.
The lichens of the Swedish Kamtchatka-expeditions. Ark. Bot. v.22A, no.13. 25 p. ii pl. N.19, 1929. (Rec'd D.) no.4.

Ekman, E.L.
Plants observed on Tortue Island, Haiti. Ark. Bot. v.22A, no.9. 61 p. Ap.15, 1929 (Rec'd D.) no.2.

Ekman, E. L.
Plants of Navassa Island, West Indies. Ark. Bot. v.22A, no.16. 12 p. 2 pl. N.19, 1929 (Rec'd D.) no.4.

Fries, R. E.
Zur kenntnis der anonaceenflora von Haiti. Ark. Bot. v.22B, no.2. 5 p. illus. N.19, 1929.(Rec'd D.) no.4.

Johansson, K.
Svenska hieracia tridentata Fr. Ark. Bot. v.22A, no.12. 41 p. Je.2, 1929 (Rec'd D.) no.3.

Malme, G. O. A.
Lavar hemförda av den Svenska expeditionen till Jan Mayen och nordöstra Grönland 1899. Ark. Bot. v.22A, no. 14. 6 p. N.19, 1929 (Rec'd D.) no.4.

Malme, G.O.A.
Pyrenulae et anthracothecia herbarii regnelliani. Ark. Bot. v.22A, no.11. 40 p. illus. Je.2, 1929. (Rec'd D.) no.3.

Malme, G. O. A.
Xyridaceae brasilienses Hilarianae. Ark. Bot. v.22A, no.15. 9 p. N.19, 1929 (Rec'd D.) no.4.

Ark. Bot. (cont.)

Urban, I.

Plantae haitienses et domingenses novae vel rariores V-VII.a cl. E.L. Ekman 1924-28 lectae. Ark. Bot. v.22A, no. 8. 98 p. 4 pl.; no.10. 108 p. 1 pl.; no. 17. 115 p. Ap.15, Je.2, N.19, 1929. (Rec'd D.) no.2.3,4.

Beih. Bot. Centralbl. Abt.II. (Dresden)

Koch, H.

Paläobotanische untersuchungen einiger moore des Münsterlandes. Beih. Bot. Centralbl. Abt.II, 46: 1-70. illus. N.1929. no.1.

Verzeichnis der zitierten literatur: p.67-70.

Moritz, O.

Betrachtungen zum "ende" der botanischen serodiagnostik. Beih. Bot. Centralbl. Abt.II, 46: 114-118. N.1929. no.1.

Singer, R.

Pilze aus dem Kaukasus. Ein beitrag zur flora des südwestlichen Zentralkaukasus. Beih. Bot. Centralbl. Abt.II, 46: 71-113. pl.1. N. 1929. no. 1.

Biochem. Journ. (London)

Haas, P. & Hill, T. G.

An examination of the metabolic products of certain fucoids. Biochem. Journ. 23: 1000-1004. 1929. no.3.

I. Sugar.

Robinson, M. E.

Methods for the determination of the nitrogenous constituents of a cyanophoric plant: Prunus laurocerasus. Biochem. Journ. 23: 1099-1113. illus. 1929. no.3.

Biol. Gen. (Vienna)

Bach, F.

Ueber apfelxenien. Biol. Gen. 5: 655-664. illus., pl.xxv. 1929. no.4.

Iwanow, S.

Zur biochemie der fette in den pflanzen.. Biol. Gen. 5: 579-586. 1929. no.4.

Biol. Gen. (cont.)
Konsuloff, S.
Samenstimulation durch druck und vakuum, nebst bemerkungen über die stimulationserklärungsversuche. Biol. Gen. 5: 605-626. illus. 1929. no.4.

Müller, L.
Ueber bau und nektarausscheidung der blüte von Grevillea preissii Meisn. Biol. Gen. 5: 541-562. illus. 1929. no.4.

Biol. Zentralbl. (Leipzig)
Goldschmidt, R.
Geschlechtsbestimmung im tier- und pflanzenreich. Biol. Zentralbl. 49: 641-648. 1929. no.11.

Boll. R. Staz. Patol. Veg. Roma. (Firenze)
Dufrenoy, J.
La mosaique du blé. Boll. R. Staz. Patol. Veg. Roma. n.s.,9: 298-304. illus. Ag./S. 1929 (Rec'd D.) no.3.

Mencacci, M.
Alcune ricerche sulle ruggini del frumento in agro romano. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 305-319. Ag./S. 1929 (Rec'd D.) no.3.

Petri, L.
Batteriosi dei rametti e mal del secco dei limoni in Sicilia. Boll. R. Staz. Patol. Veg. Roma. N.S., 9: 282-290. illus. Ag./S. 1929. (Rec'd D.) no.3.

Petri, L
Il grado di resistenza della varietà selvatiche di Castanea vesca Gaertn. al mal dell'inchiostro. Boll. R. Staz. Patol. Veg. Roma. ns., 9: 291-292. Ag./S.1929 (Rec'd D.) no.3.

Petri, L.
I metodi di cura del marciume radicale degli agrumi. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 255-272. illus. Ag./S.1929. (Rec'd D.) no.3.

Boll. R.Staz. Patol. Veg. Roma. (cont.)

Sibilia, C.
Alcuni parassiti dei frutti di limone. Boll. R. Staz. Patol. Veg. Roma. n.s., 9: 292-297. Ag./S. 1929 (Rec'd D.) no.3.

Bot. Gaz. (Chicago)

Gail, F. W. & Cone, W. H.
Osmotic pressure and pH measurements on cell sap of Pinus ponderosa. Bot. Gaz. 88: 437-441. diagrs. D.1929 (Rec'd Ja.2, 1930). no.4.

Heberlein, E. A.
Morphological studies on a new species of Marchantia. Bot. Gaz. 88: 417-429. illus. D.1929. (Rec'd Ja.2,1930). no.4.
Species undetermined.

Laude, H. H. & Gates, F. C.
A head of Sorghum with greatly proliferated spikelets. Bot. Gaz. 88: 447-450. illus. D.1929 (Rec'd Ja.2, 1930). no.4.

McNaught, H. L.
Development of sporophyte of Marchantia chenopoda. Bot. Gaz. 88: 400-416. illus. D.1929 (Rec'd Ja.2, 1930). no.4.

Sharp, L. W.
Structure of large somatic chromosomes. Bot. Gaz. 88: 349-382. illus., pl. xxii-xxiv. D.1929. (Rec'd Ja.2, 1930). no.4.

Spessard, E. A.
Motile spores of Pearsoniella. Bot. Gaz. 88: 442-446. illus. D.1929 (Rec'd Ja.2, 1930). no.4.

Wickwire, G.C., Seager, L.D. & Burge, W.E.
Comparative effect of temperature on rate of pure chemical reactions and rate of sugar utilization by a plant and a cold blooded animal. Bot. Gaz. 88: 430-436. diagrs. D.1929 (Rec'd Ja.2,1930). no.4.

Woodworth, R. H.
Cytological studies in the Betulaceae II. Corylus and Alnus. Bot. Gaz. 88: 383-399. illus. D.1929. no.4. (Rec'd Ja.2,1930)

Brooklyn Bot. Gard. Leafl.

Benedict, R. C.

Evolution as illustrated by ferns. Brooklyn Bot. Gard. Leafl. s.17, no.6/7. 8 p. illus. N.6, 1929 (Rec'd D.)

Reprint and revision of Series 10, no.3, 1922.

Bull. Agence Gén. Colon. France. (Paris)

Heim de Balsac, F., Dagand, G.S., Heim de Balsac, H., Lefèvre, L. & Parveaud, A.

Suifs d'Irvingia, leurs plantes productrices (suite) Suif de "bofetele" du Congo. Bull. Agence Gén. Colon. France. 22: 1132-1140. N.1929. no.250.

Bull. Dept. Agr. Gold Coast. (Accra)

Bunting, R. H.

Defective cacao. Bull. Dept. Agr. Gold Coast. 16(Yearbk.1928): 37-43. col.pl. iv-vii. 1929.

Bunting, R. H.

Fungi occurring in cacao beans. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 44-57. pl.viii-xiii. (1 col.) 1929.

Coull, G. C.

Foodstuffs in the Dagomba district of the Northern Territories. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 203-215. 1929.

Gives common, botanical and Dagomba names.

Coull, G. C.

Minor industries in the Northern Territories. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 236-242. 1929.

Tanga kpam (Shea butter), dozim, from Parkia filicoidea, oils, gums, gourds and calabashes, dye stuffs, tobacco, leather industry, chew sticks, soap making, &c.

Dade, H. A.

Further notes on cushion canker of cacao. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 135-138. pl. xli-xlii. (1 col.) 1929.

Phytophthora faberi.

Dade, H. A.

Internal moulding of prepared cacoa. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 74-100. pl. xxi-xxxiii. 1929.

Bull. Dept. Agr. Gold Coast. (cont.)

Dade, H. A.

Minor records, Division of mycology, 1928. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 250-257. pl. lxii-lxv. 1929.

Dade, H. A.

Origin and spiral arrangement of cushions in cacao. Bull. Dept. Agr. Gold Coast. 16(Yearbk, 1928): 147-150. pl.xliii-xliv. 1929.

Hewison, H. K.

Variations in the percentages of cacao crop lost through pod diseases. Bull. Dept. Agr. Gold Coast 16(Yearbk. 1928): 130-134. pl.xl. 1929.

Obeng, J. J.

The non-toxicity of the secretions of Phytophthora faberi-Maubl. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 139-140. illus. 1929.

Waters, H. B. & Hunter, T.

Measurement of rate of development of cacao pods. Bull. Dept. Agr. Gold Coast. 16(Yearbk. 1928): 121-127. pl.xxxvii -xxxviiiB. 1929.

Bull. Dept. Agr. Kenya. (Nairobi)

McDonald, J.

A list of plant diseases in Kenya Colony. Bull. Dept. Agr. Kenya. no.5. 11 p. 1929.

Bull. Nat. Mus. Canada.

Smith, H.I.

Materia medica of the Bella Coola and neighbouring tribes of British Columbia. Bull. Nat. Mus. Canada. 56(Its Ann. Rep. 1927): 47-68. 1929.

Bull. Soc. Bot. Genéve.

Beauverd, G.

Encore le polymorphisme du Silene acaulis L. Bull. Soc. Bot. Geneve. II,20: 481. N./D. 1928. (Ap. 1929) (Rec'd Ja.1930. no.2.

S. mantziana n.sp.

Bull. Soc. Bot. Genéve. (cont.)

Beauverd, G. & Flamary, A.

Sur la nomenclature et la dispersion du Cyclamen neapolitanum Tenore (1824). Bull. Soc. Bot. Genéve. II,20: 461-463. N./D.1928 (Apr.1929) (Rec'd Ja.1930). no.2.

Meylan, Ch.

Rectification nomenclaturale. Bull. Soc. Bot. Genéve. II,20: 457. N./D.1928 (Apr.1929) (Rec'd Ja. 1930). no.2.

Fissidens jurensis nom. nov.

Senglet, A.

Le melanogenèse chez quelques plantes d'un intérét pharmaceutique. Bull. Soc. Bot. Genève. II, 20: 385-457. illus. N./D.1928 (Apr.1929) (Rec'd Ja.1930) no.2.

Canad. Flor. (Peterboro, Ont.)

Berkeley, G. H.

Problems in plant disease control. Canad. Flor. 24: 509, 546, 634, 643. N.5, D.17, 1929. no.23, 26.

Compt. Rend. Acad. Agr. France. (Paris)

Foex, E.

Le piétin du blé en 1928-1929. Compt. Rend. Acad. Agr. France. 15: 1005-1010. D.4, 1929. no.29.

Yossifovitch, M.

Peronospora aborescens (Berk.) de Bary, un grave parasite du Papaver somniferum. Compt. Rend. Acad. Agr. France. 15: 1010-1018. D.4, 1929. no.29.

Zacharewicz, E.

Traitement contre la brunissure de la vigne. Compt. Rend. Acad. Agr. France. 15: 949-950. N.13/20, 1929. no.27.

Compt. Rend. Acad. Sci. Paris.

Dop, P.

Sur deux genres nouveau de bignoniacées du Tonkin. Compt. Rend. Acad. Sci. Paris. 189: 1096-1097. D.9, 1929. no.24.

Spathodeopsis, Hexaneurocarpon.

Compt. Rend. Acad. Sci. Paris. (cont.)

Guérin, P.

La teneur en acide cyanhydrique des Lotus. Compt. Rend. Acad. Sci. Paris. 189: 1011-1013. D.2, 1929. no.23.

Malençon, G.

Les préliminaires de la germination des spores dans le genre Elaphomyces. Compt. Rend. Acad. Sci. Paris. 189: 1008-1010. D.2,1929. no.23.

Truffaut, G. & Pastac, I.

La chémothérapie des maladies des plantes par des colorants organiques. Compt. Rend. Acad. Sci. Paris. 189: 1013-1015. D.2, 1929. no.23.

Wagner, N.

Evolution du chondriome dans les graines de Phaseolus multiflorus. Compt. Rend. Acad. Sci. Paris. 189: 1098-1100. illus. D.9, 1929. no.24.

Compt. Rend. Soc. Biol. Paris.

Beauverie, J. & Cornet, P.

Action des rayons ultra-violets sur la structure cellulaire dans la feuille et le bourgeon d'Elodea canadensis. Compt. Rend. Soc. Biol. Paris. 102:775-777. D.6, 1929. no.33.

Country Life.

H., R.

Plants for ground cover. Country Life. 66(Suppl.) xlii-xliv. illus. D.14, 1929. no.1717.

Flor. Rev. (Chicago)

Chadwick, L. C.

Root development aided by chemical. Flor. Rev. 65(1673); 23-24. illus. D.19, 1929.

Continuation of "Use of chemicals in propagation."

Davey, M. L.

Surgery in horticulture. Saving landscape features. Flor. Rev. 65(1674): 23-24. illus. D.2,1929.

There is no page eleven.

Forestry (Gt. Brit.) (London)

Reyner, M. C.
The multiple mycorrihizas of trees. Forestry (Gt. Brit.) 3: 26-32. Ap. 1929 (Rec'd D.) no. 1.

Woodward, R. C., Waldie, J.S.L. & Steven, H.M.
Oak mildew and its control in forest nurseries. Forestry (Gt. Brit.) 3: 38-56. pl. i-ii. Ap. 1929 (Rec'd D.) no.1.

Gard. Chron. (London)

Darnell, A. W.
The genus Primula (cont.) Gard. Chron. III, 86: 450, 468-470. D.7,14, 1929. no. 2241-42,

Friend, H.
Problems of plant life.XIV. Bogs and bog plants. Gard. Chron. III, 86: 446. D.7, 1929. no.2241.

Green, D. E.
Cercospora leaf spot on cucumbers. Gard. Chron. III, 86: 449. illus. D.7, 1929. no.2241.

Hosking, A.
Sports, chimaeras, variegation and mutations. (concl.) Gard. Chron. III, 86: 467-468. illus. D. 14, 1929. no.2242.

Howarth, W. O. & Chippindale, H. G.
An example of high mortality in rhododendrons. Gard. Chron. III, 86: 471. D.14, 1929. no.2242.
Lesions on stems related to the position of the graft union.

Ingram, C.
A wonderful Wistaria. Gard. Chron. III, 86: 446. illus. D.7, 1929. no.2241.
At Ushijiwa near village of Kasukabe, Japan.

Redgrove, H. S.
Germander, Gard. Chron. III, 86: 444-445. D. 7, 1929. no.2241.

Ward, F. K.
Mr. F. Kingdom Ward's tenth expedition in Asia. 37-38. Gard. Chron. III, 86: 447-448, 466-467. illus. D.7,14,1929. no.2241-42.

Gard. Chron. Amer. (New York)
Roth, F.v.
White cacti. The white spines of these unique plants have a definite life function. Gard. Chron. Amer. 34: 16, 25. Ja. 1930. no.1.

Gartn.-Tid. (København)
Weber, A.
Tomatsydgomme. Gartn.-Tid. 45: 663-665. illus. D.10, 1929. no.50.

Genetica. (The Hague)
Allan, H.H.
Illustrations of wild hybrids in the New Zealand flora VI. Genetica. 11: 491-508. illus. 1929. no. 6.

Appl, J.
Weitere mitteilungen uber die aufspaltung eines bastards zwischen Origanum majorana L. ♀ und Origanum vulgare ♂ in der F_2 and F_3- generation. Genetica. 11: 519-558. illus. 1929. no.6.

Wellensiek, S. J.
The occurrence of more than 50$^{o}/^{o}$ crossing-over in Pisum. Genetica. 11: 509-518. 1929. no.6.

Indian For. (Dehra Dun)
Parker, R. N.
The Indian speices of Nyssa, Linn. Indian For. 55: 642-645. D.1929. no.12.
N. javanica, H. bifida, N. megacarpa (sp.nov.)

Journ. Agr. Prat. (Paris)
Lesourd, F.
Histoire des plantes. Cardère ou chardon à foulon (Dipsacus fullonum Mill.). Journ. Agr. Prat. n.s. 52(2): 451-452. illus. D.7,1929. no.49.

Journ. Agr. Res. (Washington, D.C.)
Benoy, M.P.
The mineral content of the jujube. Journ. Agr. Res. 39: 949-951. D.15,1929 (D.26).

Journ. Agr. Res. (cont.)

Garber, R.J., Giddings, N. J. & Hoover, M.M.
Transgressive segregation for susceptibility to smut in an oat cross. Journ. Agr. Res. 39: 953-962. D.15, 1929 (D.26) no.12.

Hart, H.
Relation of stomatal behavior to stem-rust resistance in wheat. Journ. Agr. Res. 39: 929-948. illus. D.15, 1929 (D.26). no.12.

Young, H. D.
Effect of various fumigants on the germination of seeds. Journ. Agr. Res. 39: 925-927. D. 15, 1929 (D.26) no.12.

Journ. Amer. Pharm. Assoc. (Easton, Pa.)

Youngken, H. W.
Black chokeberry bark as a substitute for Viburnum cassinoides. Journ. Amer. Pharm. Assoc. 18: 1225-1228. illus. D.1929. no.12.
Aronia melanocarpa var. grandifolia.

Journ. Chem. Soc. London.

Legg, V. H. & Wheeler, H. V.
Plant cuticles. Part I. (cont.) Modern plant cuticles. Part. II. Fossil plant cuticles. Journ. Chem. Soc. London. 1929: 2444-2449, 2449-2458. pl.1-2. N. 1929.

Kosmos. (Stuttgart)

Braun, H.
Erworbene immunität bei pflanzen. Kosmos. 26: 403-406. illus. D.1929. no.12.

Nature. (London)

Inamdar, R. S. & Varadpande, K. V.
The permeability of plant cell membrane to sugar. Nature. 124: 875-876. D.7,1929. No. 3136.
Experiments with Artocarpus integrifolia.

Jackson, J. W.
Dr. J. C. Melvill. Nature. 124: 921. D.14, 1929. no. 3137.

Nature. (cont.)

Wurmser, R.

The energetic efficiency of photosynthesis. Nature. 124: 912-913. D.14, 1929. no.3137.

Naturwissensch. (Berlin)

Pincass, H.

Lässt sich das pflanzenwachstum mathematisch erfassen? Naturwissensch. 17: 977-980. D.13, 1929. no.50.

Kritische betrachtungen zu den gesetzen von Mitscherlich.

Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva)

Maisurian, N. A.

... Zur methodik der ammoniakbestimmung in pflanzen. Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva) 6: 597-606. illus. 1929. no.7/8.

Russian with German summary.

New Zealand Journ. Agr. (Wellington)

Allan, H. H.

Spartina townsendii. A valuable grass for reclamation of tidal mud-flats. New Zeal. Journ. Agr. 39: 313-319. illus. N.1929. no.5.

Goodwin, B. C.

Blister rust or cracking of apples, Successful remedial measures in Nelson district. New Zeal. Journ. Agr. 39: 305-307. N.1929. no.5.

Physiological.

Nuovo Giorn. Bot. Ital. (Firenze)

Amaldi, P.

Osservazioni sull'anatomia del legno secondario dell' "Olea chrysophylla" Lam. Nuovo Giorn. Bot. Ital. 36: 282-299. pl. xiv. 1929. no.3.

Catalano, G.

Megasporogenesi aberrante in "Agave sisalana" Perrine. Nuovo Giorn. Bot. Ital. 36: 317-324. 1929. no.3.

Nuovo Giorn. Bot. Ital. (cont.)

Cengia-Sambo, M.

I licheni come indicatori del clima. Nuovo Giorn. Bot. Ital. 36: 338-359. 1929. no.3.

Chiosi, R. M. G.

Avanzi di abete bianco ne le arenarie de l' "Alpe della luna" (Appennino toscano) Nuovo Giorn. Bot. Ital. 36: 265-281. illus. 1929. no.3.

Chiovenda, E.

La collezione botanica di S. A. R. il Duca degli Abruzzi alla sorgente dell'Uebi Scebeli. Nuovo Gieorn. Bot. Ital. 36: 360-371. 1929. no.3.

Longo, B.

Sul "Pinus cembra" L. del M. Spinale. Nuovo Giorn. Bot. Ital. 36: 325-327. 1929. no.3.

Martelli, U.

"Pandanus odoratissimus" o "Pandamus tectorius"? Nuovo Giorn. Bot. Ital. 36: 328-337. 1929. no.3.

Minio, M.

Le osservazioni fitofenologiche della rete italiana nel 1928 (anat. vii) Nuovo Giorn. Bot. Ital. 36: 300-313. 1929. no.3.

Pampanini, R.

Materiali per lo studio delle artemisie asiatiche. Nuovo Giorn. Bot. Ital. 36: 375-388. 1929. no.3.

Stucchi, C.

Due nuove avventizie nordamericane nel Milanese. Nuovo Giorn. Bot. Ital. 36: 314-316. 1929. no.3.

Viola silvestris, V. cucullata.

Stucchi, C.

Note su due Aconiti lombardi. Nuovo Giorm. Bot. Ital. 36: 372-372. 1929. no.3.

A. lycoctonum ssp. puberulum f. cozzii, A. napellus ssp. compactum f. grignae.

Obst- u. Gemuseb. (Berlin)

Gleisberg, J.

Wurzelälchenbekampfung mit schwefelkoblenstoffsapikatgemisch. Obst- u. Gemüseb. 75: 217-220. illus. N.20, 1929. no.11.

Oesterr. Bot. Zeitschr. (Wien)

Fischer, R. & Thiele, J.

Ueber den solaninnachweis in der kartoffel mit blutgelatine. Oesterr. Bot. Zeitschr. 78: 325-334. O.31, 1929 (Rec'd D.) no.4.

Klein, G. & Steiner, M.

Bakteriologisch-chemische untersuchungen am Lunzer untersee. Oesterr. Bot. Qeitschr. 78: 289-324. illus., 20 tab. O.31, 1929 (Rec'd D.) no.4.

Lämmermayr, L.

Beobachtungen über höhengranzen von pflanzen in der umgebung von Graz. Oesterr. Bot. Zeitschr. 78: 335-341. O.31, 1929. (Rec'd D.) no.4.

Wagner, R.

Ein fall von zweikieligem adossiertem vorblatt bei Swertia perennis L. Oesterr. Bot. Zeitschr. 78: 342-346. illus. O.31, 1929 (Rec'd D.) no.4.

Orchid Rev. (Richmond, England)

Alexander, H. G.

Orchid growing for beginners. Orchid. Rev. 37: 354-361. D.1929. no.438.

Cooper, E.

Trigonidium tenue. Orchid Rev. 37: 374-375. D. 1929. no.438.

Perfum. Mod. (Lyon, France)

L'opopanax. Parfum. Mod. 22: 809-813. N. 1929. no.11.

Signed Floriane.

Rolet, A.

Les canneliers et leur culture. Parfum. Mod. 23: 773-793. illus. N.1929. no.11.

Plant Physiology.

Anderssen,F. G.

Some seasonal changes in the tracheal sap of pear and apricot trees. Plant Physiology. 4: 359-476. illus. O.1929 (Rec'd Ja.2,1930) no.4.

Plant Physiology. (cont.)

Day, D.
Some effects of calcium deficiency on Pisum sativam. Plant Physiology. 4: 493-506. illus. O. 1929 (Rec'd Ja.2,1930) no.4.

Emmert, E. M.
The determination of nitrate in green tomato and lettuce tissues. Plant Physiology. 4: 519-528. O.1929 (Rec'd Ja.2,1930) no.4.

Fong, W. Y. & Cruess, W. V.
The effect of pH value on the inactivation temperature of fruit oxidase. Plant Physiology. 4: 537-541. O.1929 (Rec'd Ja.2,1930). no.4.

Gardner, F. E.
Composition and growth initiation of dormant Bartlett pear shoots as influenced by temperature. Plant Physiology. 4: 405-434. illus. O.1929. (Rec'd Ja.2, 1930). no.4.

Gilbert, B.E. & Adams, W.L.
Moisture fluctuations in extracted plant solutions and in leaf tissue. Plant Physiology. 4: 529-536. O. 1929 (Rec'd Ja.2,1930) no.4.

Harvey, R. B.
Joannes Baptists van Helmont. Plant Physiology. 4: 543-546. port. O. 1929 (Rec'd Ja.2, 1930). no.4.

Janssen, G.
Physical measurements of the winter wheat plant at various stages in its development. Plant Physiology. 4: 477-491. illus. O.1929 (Rec'd Ja.2, 1930) no.4.

Miller, E. R.
The insoluble tyrosinase of the velvet bean seed coat. Plant Physiology. 4: 507-517. O.1929 (Rec'd Ja.2, 1930) no.4.

Weaver, J. E. & Himmel, W. J.
Relation between the development of root system and shoot under long- and short-hay illumination. Plant Physiology. 4: 435-457. illus. O.1929 (Rec'd Jan.2, 1930) no.4.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Korff, G. & Böning, K.

Bericht über das auftreten von krankheiten und schädlingen an landwirtschaftlichen kulturpflanzen im September bis November 1929. (concl.) Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 225-229. D.1929. no.9.

Proc. Arkansas Hort. Soc.

Isley, D.

The spray residue problem in Arkansas. Proc. Arkansas Hort. Soc. 1928: 14-22. [1929]

Rothrock, I. R.

Control of fungus diseases. Proc. Arkansas Hort. Soc. 1928: 56-62. [1929]

Includes discussion.

Proc. K. Akad. Wetensch. Amsterdam.

Sirks, M. J.

Growth and inheritance of leafdimensions in the broad-bean (Vicia faba L.) Proc. K. Akad. Wetensch. Amsterdam. 32: 1066-1084. 1929. no.4.

Proc. Nat. Acad. Sci.

Cooper, D. C.

The chromosomes of Buginvillaea. Proc. Nat. Acad. Sci. 15: 885-887. illus. D.1929. no.12.

Johansen, D. A.

A proposed phylogeny of the Onagraceae based primarily on number of chromosomes. Proc. Nat. Acad. Sci. 15: 882-885. D.1929. no.12.

Sax, K.

Chromosome behavior in Sorbophyrus and Sorbaronia. Proc. Nat. Acad. Sci. 15: 844-845. N.1929 (Rec'd D.28) no.11.

Walker, J. C., Link, K. P. & Angell, H. R.

Chemical aspects of disease resistance in the onion. Proc. Nat. Acad. Sci. 15: 845-850. N. 1929. (Rec'd D.28) no.11.

Yarnell, S. H.

Meiosis in a triploid Fragaria. Proc. Nat. Acad. Sci. 15: 843-844. N.1929 (Rec'd D.28) no.11.

Proc. Roy. Soc. Ser. B. (London)

Gates, R.R. & Sheffield, F.M.L.

Megaspore development in Oenothera rubricalys, with a note on chromosome linkage in Oenothera angustissima. Proc. Roy. Soc. Ser.B. 105: 499-517. pl.27-29. D.4, 1929. no.749.

Keeble, F., Nelson, M.G. & Snow, R.

The integration of plant behavior. Proc. Roy. Soc. Ser.B. 105: 493-498. D.4, 1929. no.739.

I. Separate geotropic stimulations of tip and stump in roots. [Experiments with Zea mays]

Stoughton, R. H.

The morphology and cytology of Bacterium malvacearum, E.F.S. Proc. Roy. Soc. Ser.B. 105: 469-484. illus. pl.24-26. D.4, 1929. no. 739.

Publ. Field Mus. Nat. Hist. Bot.Ser.

Bartram, E.B.

Honduran mosses collected by Paul C. Standley. Publ. Field Mus. Nat. Hist. 267. Bot. Ser. 4: 349-364. pl.xvii-xix. D.10, 1929. (Rec'd Ja.3,1930) no. 9.

Quart. Jour. Micros. Sci. (London)

Frew, P.E. & Bowen, R.H.

Nucleolar behaviour in the mitosis of plant cells. Quart. Journ. Micros. Sci. 73: 197-214. pl. 11. N. 1929. no.2.

Material comprised members of the genus Cucurbita.

Quart. Rev. Biol. (Baltimore)

Brink, R. A.

Studies on the physiology of a gene. Quart. Rev. Biol. 4: 520-543. D.1929. no.4.

Queensl. Agr. Journ. (Brisbane)

Simmonds, J. H.

Sclerotium crown rots. Queensl. Agr. Journ. 32: 485-487. illus. N.1929. no.5.

Rep. For. Prod. Res. Bd. Gt. Brit.
Gt. Brit. Forest products research board.
Mycology. In its Report 1927/28; 51-54. 1929.
K.St.G. Cartwright, officer in charge.

Rev. Bot. Appl. (Paris)
Chevalier, A.
Une ramie tahitienne: la roâ. Rev. Bot. Appl. 9: 725-726. N.1929. no.99.
Pipturus argentus.

Dufrenoy, J.
Les maladies à virus aux Etats-Unis. Rev. Bot. Appl. 9: 685-693. illus. N.1929. no.99.

Rollot,
La culture de l'ilang ilang à Madagascar. Rev. Bot. Appl. 9: 693-699. N.1929. no. 99.

Rev. Gén. Bot. (Paris)
Chalaud, G.
Le cycle evolutif de Fossombronia pusilla Dum. Rev. Gén. Bot. 41: 676-699. illus. N. 1929. no.491.

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques. Rev. Gén. Bot. 41: 700-720. N.1929. no. 491.

Seliber, G.
Le milieu extérieur et le développement des plantes (analyse des travaux de G. Klebs). Rev. Gén. Bot. 41: 657-675. N. 1929. no. 491.

Sci. Rep. Tōhoku Imp. Univ. 1. Ser. Math., Physics, Chem.
Fukuda, M.
On alkaloids of Fritillaria verticillata, Willd. var. thunbergii, Baker. Part. I. Sci. Rep. Tōhoku Imp. Univ. 1. Ser. Math., Physics, Chem. 18: 323-327. O. 1929 (Rec'd D.) no.3.

Science. (Lancaster, Pa.)
Binkley, A. M.
Transmission studies with the new psyllid-yellows disease of solanaceous plants. Science. 70: 615. D.20, 1929. no.1825.

Science. (cont.)

Currents of electricity in plants. Science. v.71, no.1827. Suppl. p. xii. Ja.3, 1929.

Subject of a paper by Prof. E.J. Lund given at the meeting of the Botanical Society of America at Ames, Iowa.

Dobroscky, I. D.

Cranberry false-blossom disease spread by a leafhopper. Science. 70: 635. D.27, 1929. no. 1826.

Euscelis striatulus.

... Emile Francis Williams. Science. 71: 8-9. Ja.3, 1930. no.1827.

Hein, I.

Cell fusions in fungous hyphae. Science. 70: 635. D.27, 1929. no.1826.

Woods, M. W.

Preserving certain green algae in natural colors. Science. 70: 637. D.27, 1929. no.1826.

Scient. Month. (Lancaster, Pa.)

Small, J. K.

Vegetation and erosion on the Everglade Keys. Scient. Month. 30: 33-49. illus. Ja.1930. no.1.

Scott. For. Journ.

Laing, E. V.

Notes from the Forestry department, Aberdeen university. Scott. For. Journ. 43: 48-52. illus., pl.iv. Mr.1929 (Rec'd D.) no.1.

1. Thuja disease: preliminary note (Pestallozia sp.). 2. Hendersonia acicola. 3. Ascochyta piniperda, Lindau (= Septoria parasitica, Hartig).

M'Hardy, J.

Heart-rot of conifers. Scott. For. Journ. 43: 18-19. Mr. 1929 (Rec'd D.) no.1.

Fomes annosus.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking.

Ching, R. C.

Some new species of ferns from Kwangsi, China. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking. 1: 1-13. Ag.1929. no.1.

Skogen. (Stockholm)
Lagerberg, T.
Fallsjuka hos barrträdesgroddplantor. Skogen. 16: 649-653. illus. D.15, 1929. no.24.

South. Flor. (Fort Worth, Tex.)
Hitchcock, A. E.
Investigations in propagation. South Flor. 28(13): 12-13, 37. D.27, 1929.
Talk given at annual meeting of American plant propagators association in Boston, summer of 1929.

Ruth, A.
Some of the native grasses. South. Flor. 28 (13): 10, 38. D.27, 1929.

Special Crops. (Skaneateles, N.Y.)
Sievers, A. F.
Peppermint and spearmint as farm crops. (concl.) Special Crops. 28: 327-330. D. 1929. no.328.

Sucrerie Belge.
Verplancke, G.
Les maladies à virus filtrants de la betterave. Sucrerie Belge. 49: 121-127. D. 1929. no.7.

Trop. Agr. (Ceylon) (Peradeniya)
Lord, L.
The present position of bud-grafting and seed selection of hevea in the Dutch East Indies. Trop. Agr. 73: 197-216. 8 pl. O. 1929. no.4.
Included in his "Report by the economic botanist on a visit to Malaya, Indo-China, Sumatra and Java, March-May 1929".

Murray, R.K.S.
A preliminary note on a disease of young rubber buddings. Trop. Agr. 73: 238-239. O.1929. no.4.
Phytophthora sp.
Also in Quart. Circ. Rubber Res. Scheme Ceylon 3 of 1929, p. 6-7. O.1929.

Trop. Agriculture. West Indies. (Trinidad)
Harland, S. C.
Recent work on the genetics of cotton. Trop. Agriculture West Indies. 7: 16-18. Ja. 1930. no.1.

Trop. Agriculture. West Indies. (cont.)

Hall, C.J.J. van.

Selection research work on cacao in Trinidad and in Java. Trop. Agriculture West Indies. 7: 9-12. Ja.1930. no.1.

Verh. Zool.-Bot. Ges. Wien.

Pehr. F.

Floristische streifzüge im steirischen Miesslingtale. Verh. Zool.-Bot. Ges. Wien. 79: 257-268. Ag.31, 1929. (Rec'd Ja.2, 1930) no.1.

Vetter, J.

Ueber die verbreitung einiger epilobien in Oesterreich. Verh. Zool.-Bot. Ges. Wien. 79: 258-273. Ag.31, 1929. (Rec'd Ja.2, 1930). no.1.

Western Flor.

Andress, W. M.

Southern California in January. (concl.) Western Flor. 12(52): 4-5. D.26, 1929.

Zeitschr. Bot. (Jena)

Kneip, H.

Die multipolare sexualitat der hymenomyzeten und deren deutung durch M. Hartmann. Zeitschr. Bot. 22: 266-273. illus. N.26, 1929. no.5.

Metzner, P.

Bewegungsstudien an peridineen. Zeitschr. Bot. 22: 225-265. illus. N.26, 1929. no.5.

Zeitschr. Obst- Wein- u. Gartenb. (Dresden)

Schindler, P.

Wurzelentwicklung der obstbaume und einiger oft mit ihnen zusammenstehender gewachse. Zeitschr. Obst- Wein- u. Gartenb. 55: 180-182. illus. D. 1929. no.12.

Zeitschr. Pilzk. (Leipzig)

Killermann, S.

Pilze aus Bayern. III, Teil. (cont.). Zeitschr. Pilzk. 13(n.s.8): 172-173. N.28, 1929. no.11.

Exper. Stat. Publ.

New York agricultural experiment station - Div. of botany.
[Report, 1928/29]. In Ann. Rep. New York Agr. Exp. Stat. 48(1928/29): 36-43. 1930.
Raspberry diseases - Injury caused by sulfur fungicides - Premature defoliation of cherry trees - Diseases of canning crops - Fruit disease investigations in the Hudson River valley [&] on Long Island.

Kern, F. D., Thurston, H.W., jr., Orton, C. R. & Adams, J.F.
The rusts of Pennsylvania. Pennsylvania Agr. Exp. Stat. Bull. 239. 53 p. My.1929 (Rec'd Ja.2, 1930)
Technical bulletin, not for general distribution.

Magness, J. R.
Collar rot of apple trees. Washington Agr. Exp. Stat. Bull. 236. 19 p. illus. 0.1929 (Rec'd D.31)

Newton, G. A.
Report Dept. of plant pathology. Ann. Rep. West. Washington Exp. Stat. 1928/29 (Its Bull. n.s., 14-W): 28-31. 0.1929 (Rec'd Ja.2, 1930)

State Publications.

Bode, I. T. & MacDonald, G. B.
A handbook of the native trees of Iowa. Ames, Iowa. [1928?]
95 p. illus. 19cm.
Issued by Iowa state college of agriculture and mechanic arts, Extension service.

New Books.

Handel-Mazzetti, H.
Symbolae sinicae. Botanische ergebnisse der expedition der Akademie der wissenschaften in Wien. nach Sudwest-China 1914-18. 7. teil. Anthophyta 1. lfg. Wien, J. Springer 1929.

Henderson, I.F. & Henderson, W.D.
A dictionary of scientific terms. 2d ed. rev. Edinburgh, London, Oliver & Boyd, 1929.

New Books. (cont.)

John Innes horticultural institution.
Conference on polyploidy, held at the Institution on January 19th, 1929... London, 1929.

Kopp, A.
Les ananas, culture, utilisation. Paris, P. Lechevalier, 1929 (Encyclopédie biologique VI)

Morris, F. & Eames, E. A.
Our wild orchids. N.Y., Scribner's, 1929.

Blanchard, E.
La lutte obligatoire contre les ennemis de la culture. In Problèmes agricole... Publié à l'occasion du cinquantenaire de Institut national agronnomique... Paris, 1929. 2: 209-227.

Dufrenoy, J.
Etudes cytologiques relatives à la resistance des plantes aux maladies. In Problèmes agricoles... Publié à l'occasion du cinquantenaire de Institut national agronomique... Paris, 1929. 2: 195-207. illus.

Kuhnholtz-Lordat, G.
Sociologie végétale et agronomie. In Problèmes agricoles ... Publié a l'occasion du cinquantenaire de Institut national agronomique... Paris, 1929. 2: 167-172.

Rostlinopis rediguje dr. S. Prat. v. 1. Úvod do všeobecné biologie, napsal dr. N. Némec. Praha, 1929.

Walcott, M. V.
North American wild flowers. v.5, col.pl. 321-400. Washington, D.C., Smithsonian Institution, [1929]

Wulff, E.
Flora Taurica. v.1, fasc. 2, Monocotyledoneae. Leningrad, 1929.

Reprints from Journals not yet rec'd.

Polansky, B.
Biologické úcinky ultrafialových paprsků. Reprinted from Přiroda. v.22, 1929. 4 p.

BOTANY

CURRENT LITERATURE

FEB 3
U. S. Department of A

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 12, no. 2. Jan. 6-18, 1930.

Agr. Bull. Atlanta & West Point R. R. Co.
Hutchins, L. M.
The phony disease of the peach. Agr. Bull. Atlanta & West Point R.R. Co. 1930(1): 15-19. illus. 1930.

Agr. Gaz. N.S.W. (Sydney)
Anderson, R. H.
Farm forestry, V. The native and introduced trees of New South Wales. Agr. Gaz. N.S.W. 40: 887-896. illus. D.1, 1929. no.12.

Darrach, W. H.
A preliminary classification of pumpkins and squashes. Agr. Gaz. N.S.W. 40: 868-872. D.1, 1929. no. 12.

Poggendorff, W.
Rock melons and casabas. Agr. Gaz. N.S.W. 40: 873-378. D.1, 1929. no.12.
A classification of varieties.

Agr. Leafl. Dept. Agr. 'Iraq.(Baghdad)
Guest, E.
Bunt disease of wheat and how to control it. Agr. Leafl. Dept. Agr. 'Iraq. No. 19. 6 p. 3 pl. 1929.

Names of plants in 'Iraq. Agr. Leafl. Dept. Agr. 'Iraq. no.4. 21p. 1928.
Replaces Agr. Leafl. no. 4. with title "Names of field and garden crops grown in Mesopotamia" published in 1920.

Amer. Fern Journ.
Knappen, N. C.
Round about Florida for ferns. Amer. Fern Journ. 19: 113-118. illus. O./D.1929. no.4.

Ransier, H. E.
The cemetery ferns of New Orleans. Amer. Fern Journ. 19: 126-129. pl.10-11. O./D.1929. no.4.

Amer. Fern. Journl (cont.)

Schaffner, J. H.

The flowers of Equisetum (cont.) Amer. Fern Journ. 19: 119-126. pl.809. O./D.1929. no.4.

Amer. Journ. Pharm. (Philadelphia)

Couch, James F.

Experiments with extracts from the woolly-pod milkweed (Asclepias eriocarpa). Amer. Journ. Pharm. 101: 815-821. D.1929. no.12.

Lloyd, J. U.

Licorice. Amer. Journ. Pharm. 101: 805-815. illus. D.1929. no.12.

Amer. Nat.

Brooks, B. W., Walsh, L.B. & Ferguson, M.C.

A cytological and a genetical study of Petunia II. Amer. Nat. 64: 91-93. Ja./F.1930(Ja.) no.690.

II.Notes on certain phases of sterility.

Haldane, J. B. S.

A note on Fisher's theory of the origin of dominance, and on a correlation between dominance and linkage. Amer. Nat. 64: 87-90. Ja./F. 1930. (Ja.) no.690.

Hayes, H. K.

Inheritance of disease resistance in plants. Amer. Nat. 64: 15-36. Ja./F. 1930. (Ja.) no.690.

Matheson, R.

The utilization of aquatic plants as aids in mosquito control. Amer. Nat. 64: 56-86. illus. Ja./F. 1930 (Ja.) no.690.

Ann. Transvaal Mus. (Pretoria)

Bremekamp, C.E.A.

A revision of the South African species of Pavetta. Ann. Transvaal Mus. 13: 182-213. pl.v, fold. map. D.1929. no.3.

Bremekamp, C.E.A.

Stylocoryne W.et Arn., a new genus for the flora of Africa. Ann. Transvaal Mus. 13: 214-215. D.1929. no.3.

S.barbetonesis, n.sp.

Arch. de Bot., Caen. Bull. Mens.
Chermezon, H.
Les cypéracées à feuilles ensiformes. Arch. de Bot. Caen Bull. Mens. 3: 73-101. illus. My. 1929 (Rec'd Ja.1930) no.5.

Arch. Entwicklungsmech. Organ. (Berlin)
Jacobj, W.
Das geometrische prinzip der "moebiusringe" im chromosomenmechanismus der heterotypischen mitose und seine bedeutung für vererbung und geschwulstenstehung. Arch. Entwicklungsmech. Organ. 120: 56-191. illus. 1929. no.5.

Arch. Protistenk. (Jena)
Pascher, A.
Porochloris, eine eigenartige, epiphytische grünalge aus der verwandtschaft der tetrasporalen. Arch. Protistenk. 68: 427-450. illus., pl. 7. 1929.
Porochloris nov.gen., P. tetragona, P. leptochlamys, P. filamentorum, nov.spec.

Prát, S.
Die vegetation der kohlensäurehaltigen quellen (Oscillatoria carboniciphila n.sp.) Arch. Protistenk. 68: 415-421. illus. 1929. no.2.

Bartonia. (Philadelphia)
John William Harshberger. Bartonia. 11: 51-55. D.9, 1929.

Stone, H. E.
A centennial survey of the Chester County flora. Bartonia. 11: 36-48. D.9, 1929.

Stone, W.
William Aldworth Poyser. Bartonia. 11: 49-50. D.9, 1929.

Wherry, E. T.
The eastern subulate-leaved phloxes. Bartonia. 11; 5-35. pl.2-4. D.9,1929.

Wherry, E.T.
Picking out the Polemoniaceae. Bartonia. 11: 1-4. D.9,1929.
Reasons for undertaking an intensive study of the family.

Ber. Deut. Bot. Ges. (Berlin)

Friesen, G.
Neue untersuchungen über samenvorbehandlung und ihre folgen für die keimpflanzen. Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (69)-(77). N. 1929.

Hustedt, F.
Untersuchungen über den bau der diatomeen. IX. Zur morphologie und zellteilungsfolge von Eunotia didyma Grun. Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (59)-(69). illus. N.1929.

Jaretzky, R.
Die chromosomenzahlen in der gattung Matthiola. Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (82)-(85). N.1929.

Lakowitz, K.
Danzigs anteil an der botanischem wissenschaft. Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (14)-(29). N.1929.

Nienburg, W.
Zur entwicklungsgeschichte der Fucus-keimlinge. Ber. Deut. Bot. Ges. 47: 527-529. illus. N.1929. no.8.
F.vesiculosus.

Pfeiffer, H.
Ueber die erscheinungen bei der verkieselung von pflanzenzellen, insbesondere ~~derer~~ der cyperaceen. Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (78)-(82). N.1929.

Pirschle, K.
Nitrate und ammonsalze als stickstoffquellen für höhere pflanzen bei konstanter wasserstoffionenkonzentration. Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (85)-(92). pl. (ii)-(iii). N.1929.

Pringsheim, E.G.
Algenreinkulturen. Eine liste der stämme welche auf wunsch abgegeben werden. Ber. Deut. Bot. Ges. 47: 530-535. N.1929. no.8.

Schussnig, B.
Zur priorität der entdeckung der Caulerpafortpflanzungsorgane. Ber. Deut. Bot. Ges. 47: 536-540. N.1929. no.8.

Ber. Deut. Bot. Ges. (cont.)

Tischler, G.

Verknüpfungsversuche von zytologie und systematik bei den blütenpflanzen. Ber. Deut. Bot. Ges. 47 (Generalversamml.-heft): (30)-(49). N.1929.

Ziegenspeck, H.

Die cytologischen vorgänge in den knöllchen von Hippophaë rhamnoides (Sanddorn) und Alnus glutinosa (Erle). Ber. Deut. Bot. Ges. 47(Generalversamml.-heft): (50)-(58). pl.(i). N.1929.

Better Flow. (Portland, Oreg.)

Rowntree, L.

Ten native plants for California rock gardens. Better Flow. 10: 12. illus. Ja.1930. no.1.

Biochem. Zeitschr. (Berlin)

Boas, F.

Ionewirkung und leistung der zelle.. Biochem. Zeitschr. 215: 257-266. N.21,1929. no.4/6.

Trautwein, K. & Wassermann, J.

Die gärleistungen der hefen der ersten untergruppe der gattung Saccharomyces (Meyen) Rees. Biochem. Zeitschr. 215: 293-318. illus. N.21,1929. no.1/8.

Bol. Min. Agr. Industry. e Comm. Brazil. (Rio de Janeiro)

Allamão, F.F.

As principaes plantas aclimadas no Brazil. Bol. Min. Agr. Industr. e Comm. Brazil. 2: 501-516, O. 1929. no.4.

Sugar cane.

Boll. Studied Inform. R. Giard. Colon Palermo.

Bruno, F.

Esperimenti sul Cymbopogon nardus Rendle e sul Cymbopogon martini Stapf. var. sofia eseguiti nel R. Giardino Colonial e di Palermo. Boll. Studi [illegible] Inform. R. Giard. Colon. Palermo. 10: 57-70. illus. 1929.

Catalano, G.

La concentrazione degli H-ioni nella patologia vegetale. Boll. Studi ed Inform. R. Giard. Colon. Palermo. 10: 13-43. 1929.

Boll. Studi ed Inform. R. Giard. Colon. Palermo. (cont.)

Sorges, F.

Sull'olio ricavato dai semi di Brachychiton acerifolium F. Muel. ed di Brachychiton diversifolium F. Muel. nel R. Giardino Coloniale di Palmero. Boll Studi ed Inform. R.Giard. Colon. Palermo. 10: 3-12. illus. 1929.

Bot. Mag. Tokyo.

Hayata, B.

A new theory on the construction of polycyclic steles. Bot. Mag. Tokyo. 43: 340-355. illus. Jl. 1929. no. 511.

In Japanese.

Hayata, B.

Type specimen of Archangiopteris henryi Christ et Giesenhagen. Bot. Mag. Tokyo. 43: 560, 562-563. illus. O.1929. no.514.

Japanese.

Hiratsuka, N.

Chrysomyxa of Japan. Bot. Mag. Tokyo. 43: 466-478. S.1929. no.513.

Notes on the Melampsoraceae of Japan. II.

Honda, M.

Nuntia ad floran Japonicae IV. Bot. Mag. Tokyo. 43: 540-544. O.1929. no.514.

Imamura, S.

Ueber Hydrobryum japonicum Imamura, eine neue Podostemonacee in Japan. Bot. Mag. Tokyo. 43: 332-339. illus., pl.ii. Jl.1929. no.511.

Ishii, T.

Pollen development in Mamillaria sp. Bot. Mag. Tokyo. 43: 560. illus. O.1929. no.514.

Ito, T.

Symbolae ad mycologiam Japonicam. I-II. Bot. Mag. Tokyo. 43: 460-466, 515-524. S., O. 1929. no.513,514.

I. Aleurodiscus. II. Peniophora.

Bot. Mag. Tokyo. (cont.)

Kanna, B.
On a mutable strain of Celosia cristata L. Bot. Mag. Tokyo. 43: 407-413. Ag. 1929. no.512.
Japanese with English résumé: p.413.

Koidzumi, G.
Contributiones ad floram Asiae orientalis. (cont.). Bot. Mag. Tokyo. 43: 382-407. Ag.1929. no. 512.

Kondo, T.
Ueber die anatomische struktur und die taxonomische bedeutung der spaltöffnungen bei einigen farnkräutern. I- Bot. Mag. Tokyo. 43: 544-555. illus. O.1929. no.514.
Japanese with German résumé: p. 555.

Nakai, T.
Conspectus specierum arisaematis Japono-Koreanarum. Bot. Mag. Tokyo. 43: 524-540. O.1929. no.514.

Nakai, T.
Notulae ad plantae Japoniae et Koreae, XXXVII. Bot. Mag. Tokyo. 43: 439-459. S.1929. no.513.

Ohki, K.
On the systematic importance of the spodograms of the leaves of the Bambusaceae VII. Bot. Mag. Tokyo. 43: 479-489. illus. S.1929. no.513.
Japanese.

Satake, Y.
Systematic importance of spodograms of leaves in the Urticales II. Bot. Mag. Tokyo. 43: 413-421. illus. Ag.1929. no.512.
Japanese.

Tamiya, H.
Bibliographie von Aspergillus. 1729 bis 1928. VI-VIII. Bot. Mag. Tokyo. 43: 321-332, 371-381, 427-438, 501-514. Jl.-O. 1929. no.511-514.

Brooklyn. Bot. Gard. Leafl.

Graves, A. H.
Forms and functions of stems. Brooklyn Bot. Gard. Leafl. 17(8-12). 16 p. illus. N.27, 1929. no. 8/12.

Bull. Dept. Agr. & Mark. New York.

Bussell, F. P.

What is being done at the State College of Agriculture to develop better and more productive strains of field crops. Bull. Dept. Agr. & Mark. New York. 222: 79-90. Ja.1929.

Chupp, C. C.

Diseases of garden vegetables and potatoes and their control. Bull. Dept. Agr. & Mark. New York. 222: 62-75. Ja.1929.

Bull. Jard. Bot. Buitenzorg.

Danser, B. H.

On the taxonomy and the nomenclature of the Loranthaceae of Asia and Australia. Bull. Jard. Bot. Buitenzorg. III. 10: 291-373. N.1929. no.3.

Malme, G.O.A.

Xyridaceae Indiae Batavae. Bull. Jard. Bot. Buitenzorg. III, 10: 385-392. N.1929. no.3.

Xyris glaucella, X. sumatrana, n.sp.

Contributions à l'étude de la flora des Indes Néerlandaises XVII.

Posthumus, O.

On palaeobotanical investigations in the Dutch East Indies and adjacent regions. Bull. Jard. Bot. Buitenzorg. III, 10: 374-384. N.1929. no.3.

Slooten, D. F. van.

The Dipterocarpaceae of the Dutch East Indies. V. The genus Cotylelobium. Bull. Jard. Bot. Buitenzorg. III, 10: 393-406. illus. N.1929. no.3.

C. asperum, n.sp.

[Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest.) (Krasnodar)

Il'in, G. S.

....The formation of nicotine during the germination of tobacco seeds. [Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest.) 57: 17-25. 1929.

Russian with English summary.

Il'in, G.S.

... The nicotine content of maturing tobacco seeds. [Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest. 57: 8-16. 1929.

Russian with English summary.

Bull. Inst. Pin Bordeaux.
Curtin, L. P.
Réactions chimiques des champignons qui attaquent le bois. Bull. Inst. Pin Bordeaux. 67: 317-322. D.15, 1929.

Bull. Misc. Inform. Kew. (London)
Fischer, C. E. C.
Contributions to the flora of Burma: VIII. Bull. Misc. Inform. Kew. 1929: 310-317. 1929. no.10.

Hubbard, C. E.
Notes on African grasses: XI. A new genus of grasses from Bechuanaland. Bull. Misc. Inform. Kew. 1929: 319-322. 1929. no.10.
Megaloprotachne albescens.

Spare, G. H.
Notes on Blastus cogniauxii and two allied species. Bull. Misc. Inform. Kew. 1929: 317-319. 1929.
B. eglandulosus, B. caudatus n.spp.

Summerhayes, V.S.
Some interesting erias from Burma. Bull. Misc. Inform. Kew. 1929: 307-309. 1929. no.10.

White, C.T.
The Australian species of Lonchocarpus and Derris. Bull. Misc. Inform. Kew. 1929: 309-310. 1929. no.10.

Bull. Soc. Chim. Biol. (Paris)
Bourdouil, C.
Sur la variation de composition de la banane au cours de la maturation. Bull. Soc. Chim. Biol. 11: 1130-1142. N.1929. no.9.

Gollan, J.
Sur la présence du rotoside (rutine) dans les fleurs fraiches du Forsythia pendula L. Bull. Soc. Chim. Biol. 11: 1164-1169. N.1929. no.9.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)
Dugellier, L.
Céréales recueillies par M. Dr. R. Maire au cours de la "Mission du Hoggar." Bull Soc. Hist. Nat. Agr. Nord. 20: 221-226. pl.xiii-xiv. 1929. no.8.

Bull. Soc. Hist.Nat. Afr. Nord. (cont.)

Luizet, D.

Saxifraga maireana Luizet, sp. nov. Bull. Soc. Hist. Nat. Afr. Nord. 20: 166-170. illus. 1929. no.8.

Maire, R.

Contributions à l'etude de la flore de l'Afrique du nord. fasc. 16. Bull. Soc. Hist. Nat. Afr. Nord. 20: 171-220. 1929. no. 8.

Canada. Journ. Res. (Ottawa)

Melburn, M. C.

Heterotypic prophases in the absence of chromosome pairing. Canad. Journ. Res. 1: 512-527. illus. pl. i-iv. D.1929. no.6.

Wheat-rye hybrid.

Compt. Rend. Acad. Agr. France. (Paris)

Jaguenaud,

Destruction de la cuscute dans les prairies artificielles. Compt. Rend. Acad. Agr. France. 15: 1076-1079. D.11,1929. no.30.

Javillier, M. & Cremieu, A.

Etudes biochimiques sur les graines de fonio. Compt. Rend. Acad. Agr.France. 15: 1085-1090. D.18, 1929. no.31

Digitaria axilis

Truffaut, G. & Pastac, I.

Sur l'emploi des colorants organiques dans le traitement des affections cryptogamiques des végétaux. Compt. Rend. Acad. Agr. France. 15: 1058-1063. D.11, 1929. no.30.

Compt. Rend. Acad. Sci. Paris.

Bridel, M. & Raraté, J.

Sur la répartition du picéoside (picéine des Ch. Tanret) dans le règne végétal. Compt. Rend. Acad. Sci. Paris. 189: 1304-1305. D.30,1929. no.27.

Chevalier, A.

Sur une scrophulariée (Striga hermonthica) parasite des céréales en Afrique tropicale. Compt. Rend. Acad. Sci. Paris. 189: 1308-1310. D.30, 1929. no.27.

Compt. Rend. Acad. Sci. Paris. (cont.)

Démolon, A. & Barbier, G.

Fixation et mobilisation de P^2O^5 dans les limons. Compt. Rend. Acad. Sci. Paris. 189: 1310-1312. D.30,1929. no. 27.

Hamel, A. & Hamel, G.

Sur l'hétérogamie d'une cladophoracée, Lola (nov.gen.) lubrica (Setch. et Gardn.) Compt. Rend. Acad. Sci. Paris. 189: 1094-1096. D.9,1929. no.24.

Hochreutiner, B. P. G.

Un nouveau genre modifiant un peu notre conception de la famille des malvacées. Compt. Rend. Acad. Sci. Paris. 189: 1300-1301. D.30,1929. no.27.

Neobaclea.

Michel-Durand, E.

Influence du traitement à alcool sur l'extraction du tannin des végétaux. Compt. Rend. Acad. Sci. Paris. 189: 1306-1308. D.30,1929. no.27.

Py, G.

Recherches cytologiques sur l'assise nourricière des graines de pollen d'Helleborus foetidus, Euphorbia sauliana et E. peplus. Compt. Rend. Acad. Sci. Paris. 189: 1298-1300. D.30, 1929. no.27.

Wagner, N.

Le chondriome de l'embryon chez cucurbita pepo dans la graine sèche et pendant la germination. Compt. Rend. Acad. Sci. Paris. 189 1302-1303. illus. D.30, 1929. no.27.

Compt. Rend. Soc. Biol. Paris.

Conard, A.

Sur la division cellulaire chez Melosira varians Ag. Compt. Rend. Soc. Biol. Paris. 102: 954-957. illus. D.20,1929. no.35.

Fontaine, M.

De l'influence comparée de la pression sur la respiration et la photosynthèse des algues. Compt. Rend. Soc. Biol. Paris. 102: 912-914. D.20,1929. no 5.

Compt. Rend. Soc. Biol. Paris. (cont.)

Herrmann, G.

Extraction du principe actif de Periploca graeca. Compt. Rend. Soc. Biol. Paris. 102: 965-967. D.20, 1929. no.35.

Verrier, M. L.

Sur la biologie de quelques plantes des tourbières d'Auvergne. Compt. Rend. Soc. Biol. Paris. 102: 895-897. D.20, 1929. no.35.

Country Life.(Amer.) (Garden City, N.Y.)

McCully, A.

Mountain flowers suitable for planting in lowland gardens. Country Life. (Amer.) 57:41-43, 90. illus. Ja. 1930. no.3.

Difesa Piante Torino.

Bertotti, F.

Come si comporta la canapa di carmagnola di fronte all'Orobanche. Difesa Piante Torino. 6(5): 2-4. illus. 0.1929.

Voglino, P.

L'annerimento o gleosporiosi del ciclamino. Difesa Piante Torino. 6(4): 1-3. illus. Ag. 1929.

G. rufo-maculans var. cyclaminis.

Voglino, P.

Una cura pratica del marciume radicale del gelso. Difesa Piante Torino. 6(5): 1-2. 0.1929.

Voglino, P.

La moria o peste dei ciclamini (Thielavia basicola Zopf.) Difesa Piante Torino. 6(6): 1-6. illus. D.1929.

Dokl. Akad. Nouk SSSR (Compt. Rend. Acad. Sci. URSS)

Selivanova, E. A.

... Sur le Coleanthus subtilis (Tratt.) Seidel. Dokl. Akad. Nouk SSSR (Compt. Rend. Acad. Sci. URSS) 1929, A: 447-451. illus. no. 19.

Facts about sugar (New York)

Pack, D. A.

The seed production of sugar beets in relation to various temperature and moisture conditions of storing the roots. Facts about sugar. 25: 37-39, 49. Ja.11, 1930. no.2.

Flor. Exch. (N.Y.)

White, R. P.

Opportunities for plant pathology in the field of ornamental horticulture. Flor. Exch. 73: 9, 34. illus. Ja.4, 1930. no. 1.

Flow. Grow. (Calcium, N. Y.)

Clark, R.

Plant life in "The frozen North". Flow. Grow. 17: 3-4. illus. Ja.1930. no.1.

Alaska.

Forstarchiv. (Hannover)

Falck, R.

Beobachtungen und erfahrungen kultur essbarer pilze in forstdienstgehöften und im walde. Forstarch. 1929: 503-505. illus. 1929. no.24.

De Fruitteelt. (Arnheim)

Nieuwere ervaringen bij de ziektebestrijding in de fruitteelt. De Fruitteelt. 19: 190-200. D. 1929. no.12.

Gard. Chron. (London)

Cheal, W. F.

A further noteon the black dot disease of potatoes. Gard. Chron. III, 86: 493. illus. D.21, 1929. no.2243.

Darnell, A. W.

The genus Primula. (cont.) Gard. Chron. III, 86: 490-491, 506. D.21, 28, 1929. no.2243-2244.

Friend, H.

Problems of plant life XV. The desert flora. Gard. Chron. III, 86: 488-489. D.21, 1929. no.2243.

Green, D. E.

Brown rot of apples. Gard. Chron. III, 86: 507. illus. D.28, 1929. no.2244.

Grove, A.

Lilies in 1929. Gard. Chron. III, 86: 486-488. illus. D.21, 1929. no.2243.

Gard. Chron. (cont.)

Osborn, A.
The Davidias. Gard.Chron. III, 86: 501. illus. D.28, 1929. no.2244.

Ward, F. K.
Mr. F. Kingdon Ward's tenth expedition in Asia, XXXIX XL. (concl.) Gard. Chron. III, 86: 484-485, 502-503. illus. D.21,28, 1929. no.2243-2244.

Ward, F. K.
Three new rhododendrons from Tibet. Gard. Chron. III, 86: 503-504. D.28, 1929. no.2244.
Rhododendron rivulare, R. fragariflorum, R. tsangpoense, n.sp.

Worsley, A.
Phycella bicolor, Herbert. Gard. Chron. III, 86: 488. D.21, 1929. no.2243.

Gartenbauwiss. (Berlin)

Zielke, W.
Untersuchungen uber den einfluss der witterung auf die ernten einiger obstgattungen und -sorten in Deutschland. Gartenbauwiss. 2: 459-589. D. 1929. no.5/6.

Genetics. (Menasha, Wisc.)

Davis, B. M. & Kulkarni, C. G.
The cytology and genetics of a haploid sport from Oenothera franciscana. Genetics. 15: 55-80. illus., pl.i-4. Ja.1930. no.1.

Immer, F. R.
Formulae and tables for calculating linkage intensities. Genetics. 15: 81-98. illus. Ja.1930. no. 1.

Hedwigia. (Dresden)

Bachmann, E.
Die deutschen, felsbewohnenden Segestriaspezies. Hedwigia. 69: 287-300. illus. N.1929. no.5.

Frey, E.
Beitrage zur biologie, morphologie und systematik der umbilicariaceen. Hedwigia. 69: 219-252. illus. N. 1929. no.5.

Hedwigia, (cont.)

Lakowitz, C. W.
Das leuchtmoos im Norddeutschen flachlande. Hedwigia. 69: 301-302. N. 1929. no.5.
Schistostega osmundacea.

Mattick, F.
Die flechten des naturschutzparkes in den hohen Tauern. Hedwigia. 69: 262-286. N.1929. no.5.

Singer, R.
Neue mitteilungen über die gattung Russula. Hedwigia. 69: 253-261. N. 1929. no.5.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Grassmann, W. & Klenk, L.
Zur frage der einheitlichkeit tierischer und pflanzlicher dipeptidase. Hoppe-Seyl. Zeitschr. Phys. Chem. 186: 26-49. D.9, 1929. no.1/2.
Abhandlung uber pflanzenproteasen von R. Willstatter no.15.

Kylin, H.
Ueber das vorkommen von jodiden, bromiden und jodidoxydasen bei den meeresalgen. Hoppe-Seyl. Zeitschr. Phys. Chem. 186: 50-84. D.9,1929. no.1/2.

Indian For. Rec.

Bagchee, K.
Investigations on the infestations of "Peridermium complanatum", Barclay, on the needles, and of Peridermium himalayense n.sp., on the stem of Pinus longifolia, Roxb. Indian For. Rec. 14: 79-102. xiv pl. 1929. no.3.

Journ. Agr. Res. (Washington, D.C.)

Bryan, M.K. & McWorter, F. P.
Bacterial blight of poppy caused by Bacterium papavericola sp.nov. Journ. Agr. Res. 40: 1-9. illus. Ja.1, 1930(Rec'd Ja.15) no.1.

Smith, D.C. & Bressman, E.N.
Some effects of seed treatment on the germination and subsequent growth of wheat. Journ. Agr. Res. 40: 25-36. illus. Ja.1, 1930(Rec'd Ja.15) no.1.

Journ. Bot. (London)

Bennett, A., Salmon, C.E., & Matthews, J.R.
Second supplement to Watson's "Topographical botany". (cont.) Journ. Bot. 67(Suppl.): 49-56. D.1929. no.804.

Lacaita, C.C.
Duriaei iter asturicum botanicum (cont.) Journ. Bot. 67: 324-332. D.1929. no.804.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. (cont.) 67(Suppl.): 113-120. D.1929. no.804.
Dicotyledones, Gamopetalae, by R.O'D.Good.

Nelmes, E.
Agrimonia eupatoria Linn. with white flowers. Journ. Bot. 67: 341. D.1929. no.804.

Proposals on nomenclature by British botanists, International botanical congress, 1930. Journ. Bot. 67: 336-339. D.1929. no.804.
J. Ramsbottom, E.M. Wakefield, T.A. Sprague, A.J. Wilmot committee.

Salmon, C.E.
Carex notes II. Journ. Bot. 67: 332-336. D. 1929. no.804.

Journ. Bombay Nat. Hist. Soc.

Blatter, E.
The flowering of bamboos. Journ. Bombay Nat. Hist. Soc. 33: 899-921. 0.15, 1929. no.4.

Blatter, E.
Mosses of the Bombay Presidency, the High Wavy Mountain and Mt. Abu. Journ. Bombay Nat. Hist. Soc. 33: 868-879. 0.15, 1929. no.4.

Blatter E. & McCann, C.
Revision of the flora of the Bombay Presidency. Pt. X. Gramineae. Journ. Bombay Nat. Hist. Soc. 33: 753-775. 0.15, 1929. no.4.

Blatter, E. & Millard, W. S.
Some beautiful Indian trees. Pt. II. Journ. Bombay Nat. Hist. Soc. 33: 851-856. illus., 3 pl. (2 col.) 0.15, 1929. no.4.

Journ. Bombay Nat. Hist. Soc. (cont.)

Henderson, C.

Some orchids not previously recorded from the Ganjam district, Madras Presidency. Journ. Bombay Nat. Hist. Soc. 33: 1003. O.15,1929. no.4.

Robinson, M.

Flowerless plants. Pt.II. The fungi. Journ. Bombay Nat. Hist. Soc. 33: 793-799. pl. i-vi. (pl.i, col.) O.15,1929. no.4.

Tiwary, N. K.

The discovery of germination of cyathodium spores. Journ. Bombay Nat. Hist. Soc. 33: 1001-1003. illus. O.15,1929. no.4.

Journ. Dept. Agr. Porto Rico. (Rio Piedras)

Pittier, H.

The middle American species of the genus Inga. Journ. Dept. Agr. Porto Rico. 13: 117-177. pl. xiii-xxxi. O.1929. no.4.

Journ. Dept. Agr. Victoria. (Melbourne)

Adam, D. B.

Notes on plant diseases. Rhizoctonia disease in potatoes. Journ. Dept. Agr. Victoria. 27: 670-671. illus. N.1929.

Journ. Hered. (Washington)

Boss, A.

Willett Martin Hays 1859-1928. Journ. Hered. 20: 497-509. illus., port. N. 1929 (Rec'd Ja.1930). no. 11.

Harlan, H. V.

The weedishness of wild oats. Journ. Hered. 20: 515-518. illus. N.1929. (Rec'd Ja.1930) no.11.

Lesley, J. W.

A few-seeded bud sport of the tomato. Journ. Hered. 20: 530-533. illus. N.1929 (Rec'd Ja. 1930). no.11.

Journ. Washington Acad. Sci.

Pittier, H. F.

Botanical notes on, and descriptions of, new and old species of Venezuelan plants. III. Old and new species of Euphorbiaceae. (concl.) Journ. Washington Acad. Sci. 20: 3-12. Ja.4, 1930. no.1.

Kranke Pflanze. (Dresden)

Esmarch, F.

Rauchschäden an landwirtschaftlichen kulturpflanzen. Kranke Pflanze. 6: 201-204. 1 pl. D.1929. no.12.

Moll, F.

Der hausschwamm. (concl.) Kranke Pflanze. 6: 204-207. D.1929. no.12.

Landw. Jahrb. (Berlin)

Chiritescu-Arva, M.

Der einfluss der bodenwasserprozentsatzes als vegetationsfaktor auf die textur des weizenkornes "Ulca". Landw. Jahrb. 70: 933-949. 1929. no.6.

Matières Grass. (Paris)

Pieraerts, J., Adriaens, J. & Meulenberg, J.

Contribution à l'étude chimique d'une sapotacée arborescente du Congo Belge. Une nouvelle source d'obtention facile rapide d'acide stéarique pur. Matières Grass. 21: 8701-8703. illus. D.15, 1929. no.260

Dumoria africana

Pieraerts, J. & Meulenberg, J.

Contribution à l'étude des sapotacées oléifères. I. L'Autranella congolensis (cont.) Matières Grass. 21: 8699-8701. illus. D.15, 1929. no.260.

Meded. Inst. Plantenz. Dep. Landb. &c. Nederl. Ind. (Wettevreden)

Leefmans, S.

Ziekten en plagen der cultuurgewassen in Nederlandsch-Indie in 1928. Meded. Inst. Plantenz. Dep. Landb. Nederl.-Ind. no.75. 96 p. 1929.

Mikrochemie.

Steiner, M.

Der histochemische nachweis des jods. Mikrochemie. n.s.,1: 263-267. 1929. no.2.

Missouri Bot. Gard. Bull. (St.Louis)

A rare African climbing plant in flower. Missouri Bot. Gard. Bull. 17: 149-150. pl.34. D.1929. no.10.

Camoensia maxima.

Mitt. Ver. Förd. Moorkult. Deut.Reiche.

Tacke, B.

Die urbarmachungskrankhet oder heidemoorkrankheit. Mitt. Ver. Förd. Moorkult. Deut.Reiche. 47; 247-253. illus. D.1, 1929. no.12.

Unter mitwirkung von Dr. Th. Arnd, Dr. W. Hoffmann und A. Pook.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bertram,

Opuntia canterai Arechavaleta. Monatsschr. Deut. Kakteen-Ges. 1: 239-241. illus. D.1929. no. 12.

Bodeker, F.

Mamillaria albicoma Böd., sp.n. Monatsschr. Deut. Kakteen-Ges. 1: 241-242. illus. D.1929. no.12.

Gunther, W.

Das rätsel der cristata-bildung. Ein beitrag zur erforschung und lösung des krebsproblems. (cont.) Monatsschr. Deut. Kakteen-Ges. 1: 243-253. illus. D.1929. no.12

Nat. Hort. Mag. (Washington, D.C.)

Banghart, E. H.

Campanula piperi. America's most beautiful native bluebell. Nat. Hort. Mag. 9: 31-32. illus. Ja. 1930. no.1.

Correvon, H.

The sempervivums - les joubarbes. Translated [by Benjamin Y. Morrison]. Nat. Hort. Mag. 9: 8-14. Ja. 1930. no.1.

Cox, E. H.M.

Primulas. Nat. Hort. Mag. 9: 26-29. Ja.1930 no. 1.

Russell, P.

Prunus yedoensis Mats. Yoshino. Nat. Hort. Mag. 9: 46-48. illus. Ja.1930. no.1.

Traub, H.

Tendencies in the development of American horticultural associations, 1800-1850. Nat. Hort. Mag. 9: 18-26. Ja.1930. no.1.

Nat. Hort. Mag. (cont.)

Wherry, E. T.

Neglected natives. 3. Arum heart-leaf. Nat. Hort. Mag. 9: 36-38. illus. Ja. 1930 no.1.

Nature. (London)

Gates, R. R.

A haploid Oenothera. Nature. 124: 948. D.21, 1929. no.3138.

Reciprocal crosses between Oenothera rubricalyx & O. eriensis.

Dr. Harold Wager, F.R.S. Nature. 124: 953-954. D.21, 1929.

Notice of death.

Nature Mag. (Washington, D.C.

Finney, M.M.

Our vanishing cacti. Nature Mag. 15: 99-100 illus. F.1930. no.2.

Giant, cholls, barrel and hedgehog.

Hansen, A. A.

A trinity of loveliness. Columbines possess handsome flowers graceful stems and beautiful foliage. Nature Mag. 15: 93-96. illus. F.1930. no.2.

Leonard, P.K.

A rare plant from the far east, the scared lily of India. Nature Mag. 15: 114. illus. F.1930. no.2.

Amorphophallus rivieri.

Notes R. Bot. Gard. Edinb.

Edinburgh. Royal botanic garden.

Plantae chinensis forrestianae. Catalogue of all plants collected by George Forrest during his fourth exploration of Yunnan and Eastern Tibet in the years 1917-1919. Notes R. Bot. Gard. Edinb. v.17. 148 p. S.1929. no. 81/82.

Ohio Journ. Sci. (Columbus)

May, C.

Hydrogen ion concentration and titratable acidity of tomatoes and their resistance to Fusarium wilt. Ohio Journ. Sci. 29: 260-266. N.1929. no.6.

Neither resistance nor susceptibility correlated with actual or titratable acidity.

Ohio Journ. Sci. (cont.)

Schaffner, J. H.

Principles of plant taxonomy. VIII. Ohio Journ. Sci. 29: 289-299. illus. N.1929. no.6.

Peterm. Mitt. (Gotha)

Ihering, H. v.

Klima und flora von Patagonien im wandel der zeit. (cont.) Peterm. Mitt. 75: 308-311. 1929. no. 11/12.

Philipp. Journ. Sci. (Manila)

Skvortzow, B. W.

Alpine diatoms from Fukien province, south China. Philipp. Journ. Sci. 41: 39-47. 3 pl. Ja. 1930(1929). no.1.

Skvortzow, B. W.

Diatoms from Dalai-nor Lake, eastern Mongolia. Philipp. Journ. Sci. 41: 31-36. 2 pl. Ja.1930. (1929) no.1.

Valenzuela, A. & Wester, P.J.

Composition of some Philippine fruits, vegetables, and forage plants. Philipp. Journ. Sci. 41: 85-100. 22 pl. Ja.1930(1929) no. 1.

Proc. Imp. Acad. Tokyo.

Hamada, H.

Ueber die beeinflussung des wachstums des mesokotyls und der koleoptile von Avena-keimlingen durch das licht. Proc. Imp. Acad. Tokyo. 5: 438-441. illus. N.1929. no.9.

Vorläufige mitteilung.

Majima, R.

Ueber die identität von japaconitin und aconitin und uber zwei neue Aconitum-akaloide. Proc. Imp. Acad. Tokyo. 5: 415-417. N.1929. no.9.

Publ. Field Mus. Nat. Hist. Bot.Ser.

Standley, P. C.

Studies of American plants I-II. Publ. 264 Field Mus.Nat. Hist. Bot.Ser. 4: 197-345. O.24, 1929. no. 8.

Repert. Spec. Nov. Fedde. (Berlin)

Kränzlin, F.
Ein neues Catasetum: C. micranthum. Repert. Spec. Nov. Fedde. 27: 26. N.15, 1929. no.1/8.

Kränzlin, F.
Neue arten von Calceolaria L. Repert. Spec. Nov. Fedde. 27; 1-26. N.15, 1929. no.1/8.

Kükenthal, G.
Cyperaceae novae IX. Repert. Spec. Nov. Fedde. 27: 107-111. N.15, 1929. no.1/8.

Pfeiffer, H.
Conspectus cyperacearum in America meridionali nascentium. IV. Ueber vorkommen und gliederung der gattung Kyllinga Rottb. in Südamerika. Repert. Spec. Nov. Fedde. 27: 92-100. N.15, 1929. no.1/8.

Pfeiffer, H.
Ueber 70 neue namenkombinationen in einer einzigen cyperaceengattung oder aufnahme eines gattungsnamens in den index der "Nomina conservanda?" Repert. Spec. Nov. Fedde. 27: 85-91. N.15, 1929. no.1/8.

Schlechter, R.
Orchidaceae Buchtienianae. Repert. Spec. Nov. Fedde. 27: 27-85. N.15,1929. no.1/8.
Weitere beitrage zur orchideenkunde von Bolivia.

Schmidt, O. C.
Beitrage zur kenntais der flora Westindiens III. Repert. Spec. Nov. Fedde. 27: 101-106. N. 15,1929. no.1/8.

Wolff, H.
Umbelliferae Asiaticae novae relictae. Repert. Spec. Nov. Fedde. 27: 112-128. N.15, 1929. no.1/8.

Rev. Bryol. (Caen)

Allorge, P.
Pierre-Tranquille Husnot (1840-1929). Rev. Bryol. n.s.,2: 65-70. pl. ii(port.) 0.31, 1929. no. 2.

Rev. Bryol. (cont.)

Douin, C.
Les enseignements d'un thalle du Metzgeria furcata Dum. Rev. Bryol. n.s., 2: 87-92. illus. O.31, 1929. no.2.

Douin, R.
Note tératologique. Rev. Bryol. n.s., 2: 105-106. illus. O.31,1929. no.2.
Eurhynchium praelongum.

Fleischer, M.
Viktor-Ferdinand Brotherus 1849-1929. Rev. Bryol. n.s., 2: 71-81. pl. iii 9port.) O.31, 1929. no.2.

Jovet, P.
Le Pseudoleskea atrovirens Br. Eur. aux environs de Paris. Rev. Bryol. n.s. 2: 101-104. O.31, 1929. no.2.

Loeske, L.
Orthodicranum allorgei Amann et Loeske, nov. spec. Rev. Bryol. n.s.,2: 93-95. O.31, 1929. no.2.

Meylan, C.
Remarques sur quelques muscinees. Rev. Bryol. n.s. 2: 96-100. O.31, 1929. no.2.
Plagiothecium ruthei var., orthothecioides, Bryum cuspidatum var. jurense, new varieties.

Moller, H.
A revision of some new species and varieties of Rhacomitrium described by N.C. Kindberg from North America. Rev. Bryol. n.s.,2: 82-86. 1929. no.2.

Rev. Eauz et For. (Paris)

Langhoffer, A.
Le dépérissement du chêne en Yougoslavie, spécialement dans la Slavonie. Rev. Eaux et For. 67: 763-765. N.1929. no.11.
Insects and mildew.

Rev. Gén. Bot. (Paris)

Allorge, A. P.
Marcel Denis (1897-1929). Rev. Gén. Bot. 41: 721-727. pl.13 (port.) D.1929. no.492.
Travaux scientifiques de Marcel Denis: p.726-727.

Rev. Gén. Bot. (cont.)

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. (cont.) Rev. Gén. Bot. 41: 744-771. illus. D.1929. no.492.

Michel-Durand, E.

Recherches physiologiques sur les composes tanniques (cont.). Rev. Gén. Bot. 41: 772-783. D. 1929. no.492.

Seliber, G.

Le milieu exterieur et le développement des plantes, (analyse des travaux de G. Klebs) III-IV. (concl.) Rev. Gén. Bot. 41: 728-743. D.1929. no.492.

Rev. Gén. Sci. (Paris)

A., B.

La structure moléculaire de la cellule végétale. Rev. Gen. Sci. 40: 659-660. D.15, 1929. no.23

Rev. Hort. (Paris)

Guillaumin, A.

Les cactées, principales espèces. Mamillaria. (cont.). Rev. Hort. 101: 604-605. illus. D. 16, 1929. no.24.

Lesourd, F.

Les plus gros arbres de France. Feuillus. (cont.) Rev. Hort. 101: 608-609. illus. D.16, 1929. no.24.

Corylus colurna, Morus alba, Phillyrea latifolia, Nyssa aquatica, N. villose, Broussonetia papyrifera, Albizzia julibrissin.

Science. (Lancaster, Pa.)

Ferris, G. F.

The effectiveness of a plant quarantine. Science. 71: 68-69. Ja.17, 1930. no. 1829.

Gericke, W. F.

Variation in the percentage of protein in the grain of a single wheat plant. Science. 71: 73-74. Ja.17, 1930. no.1829.

White, V. B.

Glutathione in plant tissues. Science. 71: 74-76. Ja.17, 1930. no. 1829.

Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. (Sendai)
Okabe, S.
Meiosis im oogonium von Sargassum horneri (Turn.) Ag. Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. 4: 661-669. illus., pl. xxvii-xxix. D. 1929. no.4.

Okabe, S.
Rhizoidenentwicklung in embryo von Cystophyllum. Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. 4: 591-595. illus. D.1929. no.4.

Takagi, F.
On the inheritance of some characters in Glycine soja, Bentham (Soy-bean). Sci. Rep. Tohoku Imp. Univ. 4. Ser. Biol. 4: 577-589. illus. pl. xxxvi. D.1929. no.4.

Scient. Agr. (Ottawa)
Huskins, C. L.
Some aspects of polyploidy in relation to the cereal crops. Scient. Agr. 10: 313-320. Ja. 1930 no.5.

Kirk, L. E.
Abnormal seed development in sweet clover species crosses--a new technique for emàsculating sweet clover flowers. Scient. Agr. 10: 321-327. illus. Ja. 1930. no.5.

Soil Sci. (Baltimore)
Greaves, J. D.
The microflora of leached alkali soils: II. A leached sodium-chloride soil. Soil Sci. 29: 79-83. Ja. 1930. no.1.

Löhnis, M. P.
Can Bacterium radicicola assimilate nitrogen in the absence of the host plant? Soil Sci. 29: 37-57. Ja.1, 1930. no.1.

So. African Gard. (Johannesburg)
Bolus, L.
Plants new and noteworthy. So. African Gard. 19: 385. illus. D.1929. no.12.
Freesia odorata, F. armstrongii, F. speciosa (n.sp.) Moraea apetala (n.sp.)

So. African Gard. (cont.)

Bolus, L.
Sticky white heath. (Erica physodes, L.) So.African Gard. 19: 387,392. col.illus. D.1929. no.12.

Bolus, L.
Three species of Ceropegia from Natal. So. African Gard. 19: 382-383. illus. D.1929. no.12.
Ceropegia haygarthii, C. sandersonii, C. woodii, n.spp.

K. Svenska Vetensk. Akad. Handl. (Stockholm)

Burret, M.
Palmae cubenses et domingenses a cl. E.L. Ekman 1914-1928 lectae. K. Svenska Vetensk. Akad. Handl. III, v.6, no.7. 28 p. 14 pl. 1929.

Halle, T. G.
Some seed-bearing pteridospermus from the permian of China. K. Svenska Vetensk. Akad. Handl. III, v.6, no.8. 24 p. illus., 6 pl. 1929.

Sveriges Pomol. För. Arsskr.

Johansson, E.
Besprutningsforsok mot skorv på äpple- och päronträd vid Alnarp 1929. Sveriges Pomol. For. Arsskr. 30: 229-236. 1929. no.4.

Tasmanian Journ. Agr.

Oldaker, C.E.W. & Dowson, W.J.
Potatoes. Virus disease and clean seed. Tasmanian Journ. Agr. 1: 14-18. illus. N.1929. no.1.

Tijdschr. Plantenz. (Amsterdam)

Spierenburg, D.
Eenige oude gegevens over ziekten in boomen (voornamelijk in iepen). Tijdschr. Plantenz. 35: 289-309. D.1929. no.12.

Torreya.

Brown, C. A.
Notes on the flora of Louisiana. Torreya. 29: 154-158. N./D.1929. no.6.

Torreya. (cont.)

Cockerell, T. D. A.
The flora of Doi Sutep, Siam. Torreya.
29: 159-162. N./D.1929. no.6.

Gleason, H. A. & Bonisteel, W.J.
Aconitum noveboracense A. Gray. Torreya.
29: 152-153. N./D.1929. no.6.

Perkins, A. E.
Colloquial names of Maine plants. Torreya.
29: 149-151. N./D. 1929. no. 6.

Trans. Nat. Hist. Soc. Formosa.

Sasaki, S.
Miscellaneous contributions to the flora of Formosa, VI. Trans. Nat. Hist. Soc. Formosa.
19: 479-485. D.1929. no.105.

Tropenpfl. (Berlin)

Morstatt, H.
Krankheiten und schädlinge der tropischen kulturpflanzen und deren bekämpfung. Tropenpfl.
32: 491-500. D.1929. no.12.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (Leningrad)

Antropov, V. & Antropov, V.
... Rye in U.S.S.R. and in the adjoining countries. Trudy Prikl. Bot., Gen. i Selek. Prilozh. (Bull. Appl. Bot., Gen. & Plant-breed. Suppl.) 36. 365 p. illus., map. 1929
Russian with English summary.

Arnold, B. M. & Shibaev, P.N.
... Botanico-agronomical characteristic of common millet, Panicum miliaceum L. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 231-296. illus. 1929.
Russian with English summary.

Elladi, E. V.
... Flax with dehiscent capsules. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 455-471. illus.(incl. maps) 1929.
Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (cont.)

Flaksberger, K. F. & others.
... Smooth-awned wheats. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 115-121. illus. 1929.
Russian with English summary.

Ivanova, L. I. & Katin-Yarzsev, L. V.
... Oats of the Leningrad region. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl., Gen. & Plant-breed.) 22(2): 123-148. 1929.
Russian with English summary.

Kovarsky, A. E.
... The wheats of the mountainous part of Crimea. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(22): 47-80. illus. (incl. map) 1929.
Russian with English summary.

Maisurian, N.A.
... The millet of Georgia. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-Breed.) 22(2): 149-184. illus. (incl. maps) 1929.
Russian with English summary.

Morozov, V. A.
... On the grains of Lolium remotum Schrnk. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 473-506. illus. 1929.
Russian with English summary.

Popova, G.
... Hybrids of Aegilops juvenalis (Thell.) Eig. x Triticum vulgare Host. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 435-454. illus. 1929.
Russian with English summary.

Popova, G.
... Species hybrids in the genus Aegilops L. Trudy Prikl. Bot, Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 22(2): 329-434. illus. 1929.
Russian with English summary (p.398-434)

Trudy Prikl.Bot. Gen. i Selek. (Bull. Appl.Bot. Gen. & Plant-breed. (cont.)

Sleptsova, A. M.

... Botanical diversity of wheats in prov. Samara. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 81-114. 1929.

Russian with English summary.

Sorokin, S. P.

... On the establishment of characters in the classification of common millet (Panicum miliaceum L.) according to the shape of the panicle. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 185-230. illus. 1929.

Russian with English summary.

Tumanian, M. G.

... A contribution to the study of the life cereals in the region of Van. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(2): 297-327. illus. 1929.

Russian with English summary.

Varieties of wheat and rye.

U.S. Dept..Agr. Techn. Bull

Priestley, J. H. & Swingle, C. F.

Vegetative propagation from the standpoint of plant anatomy. U.S. Dept. Agr. Techn. Bull. 151. 98 p. 24 pl. D. 1929 (Rec'd Ja.1930).

Wisconsin Hort. (Madison)

Keitt, G. W.

The spray program for apple scab. Wisconsin Hort. 20: 135, 157. illus. Ja. 1930. no.5.

Roberts, R. H.

An outstanding contribution to horticulture in 1929. Wisconsin Hort. 20: 133-134. Ja.1930. no.5.

Photoperiodism.

Zapiski Nauchno-Prikl. Othdel. Tiflis Bot. Sada (Sci. Papers Appl. Sect. Tiflis Bot. Gard.)

Abesadze, G. J.

... A study of Ervum ervilia L. "ugreheli" in Georgia. Zapiski Nauchno-Prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 68-74. 1929.

Russian with English summary.

Zapiski Nauchno-Prikl. Otdel. Tiflis. Bot. Sada.(Sci. Papers Appl. Sect. Tiflis Bot. Gard.) (cont.)

Aleksandrov, V.G., Abesadze, K. J. & Makarevskaja, E.A.

... Zur frage der assimilations und transpirationsarbeit der blätter an den grundsorten der weinreben Kachetiens. Zapiski Nauchno-Prikl. Otdel Tiflis Bot. Sada.(Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 75-90. illus. 1929.

Russian with German summary.

Dekaprelevich, L. L.

... A case of mutation in a pure line of wheat. Zapiski Nauchno-prikl. Otdel. Tiflis Bot.Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 197-200. illus. 1929.

Russian with English summary.

Eritsian, A. A.

... Some contributions to the genetics of wheat. Zapiski Nauchno-prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 201-218. illus. 1929.

Russian with English summary.

Grossheim, A. A.

Die esparsetten des Kaukasus II. Uebersicht der arten der subsection vulgatae Hand-Mazz. der sektion Eubrychis D.C. Zapiski Nauchn-Prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 113-151. illus., ii pl. 1929.

Russian with Latin diagnosis of new species (O. daghestanica, O. altissima, O. hajastana, O. transcaucasica).

Menabde, B. L.

... Contributions towards the study of the geographical distribution of cereals in eastern Georgia in connection with their zonality. Zapiski Nauchno-prikl. Otdel. Tiflis. Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 161-196. tab. 1929.

Russian with English summary.

Zapiski Nauchno-Prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) (cont.)

Nagorny, P. I. & Eristavi, E.M.

... Die auf dem theestrauch auf den Plantagen von Tschakva (bei Batum) in jahre 1927 gesammelten pilze. Zapiski Nauchno-prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 109-112. 1929.

Russian with German summary.

Nagorny, P. I.

... Beiträge zur pilzflora der Kaukasischen weinrebe, Fusarium viticole Thuemen. Zapiski Nauchno-prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 152-160. illus. 1929.

Russian with German summary.

Nagorny, P.

... Die kaukasischen arten der gattung Urocystis Rabenhorst. Zapiski Nauchno-prikl. Otdel. Tiflis. Bot. Sada. (Sci. Papers Appl. Bot. Tiflis. Bot. Gard.) 6: 104-108. 1929.

Russian with German summary.

Nagorny, P. & Kanchaveli, L.A.

... Principal vine-diseases in Kakhetia (Georgia) in 1926. Zapiski Nauchno-prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 97-103. 1929.

Russian with English summary.

Sanadze, A.

Die heuschläge des der Reichuniversität zu Tiflis gehörenden Muchranschen gutes. Zapiski Nauchno-prikl. Otdel. Tiflis Bot. Sada.(Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 1-18. incl. map. 1929.

Georgian with Russian (p.15-16) & German summaries. (p.16-17)

Leucanthemum georgicum n.sp. (no description)

Zereteli, L. J.

... Die in der gegend der Sakarschen versuchsstation auf der weinrebe gesammelten pilze. Zapiski Nauchno-prikl. Otdel. Tiflis Bot. Sada. (Sci. Papers Appl. Sect. Tiflis Bot. Gard.) 6: 91-96. 1929.

Russian with brief German summary.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)

Bělar, K.

Beiträge zur kausalanalyse der mitose. III. Untersuchungen an den staubfadenhaarzellen und blattmeristemzellen von Tradescantia virginica. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 73-134. illus., pl. iii-v. D.5, 1929. no.1.

Geitler, L.

Der feinere bau der chromosomen von Crepis. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 195-200. illus. D.5, 1929. no.1.

Medwedewa, G. B.

Ueber die "trabanten" bei Crepis dioscordis L. (Vorläufige mitteilung). Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 150-163. illus. D.5, 1929. no.1.

Exper. Stat. Publ.

Pope, W. T.

The Macadamia nut in Hawaii. Bull. Hawaii Agr. Exp. Stat. no.59. 23 p. illus. N.1929.

Beckwith, C.S. & Hutton, S.B.

Cranberry false blossom and the blunt-nosed leafhopper. New Jersey Agr. Exp. Stat. Bull. no.491. 16 p. illus. D.1929.

Cathcart, C.S.& Willis, R. L.

Analyses of materials sold as insecticides and fungicides during 1929. New Jersey Agr. Exp. Stat. Bull. 485. 16 p. O.1929.

Fiske, J. G.

Weeds of New Jersey. New Jersey Agr.Exp. Stat. Circ. 219. 47 p. illus. S.1929 (Rec'd Ja.1930)

Supersedes Circ.161.

Robinson, R.H. & Whitaker, C.F.

The chemical composition of insecticides and fungicides. Oregon Agr. Exp. Stat. Circ. no.95. 19 p. D.1929.

State Publications.

Melchers, L. E.

Alfalfa diseases in Kansas. Bienn. Rep. Kansas St. Bd. Agr. 26: 153-173. illus. 1929.

New Books.

American iris society.
Alphabetical iris check list. Ed. by Mrs. Wheeler H. Peckham. Baltimore, 1929.

Berger, A.
Kakteen. Stuttgart, E. Ulmer, 1929.

Insect pests and plant diseases. In Handbook for farmers in South Africa, 2d. ed.rev. Pretoria, 1929. p. 521-588. illus.

International congress of plant sciences, Ithaca, 1926.
Proceedings. v.2, Menasha, Wisc., 1929.

Pool, R.J.
Flowers and flowering plants. N.Y., McGraw-Hill, 1929.

Rose, M.
La question des tropismes. Paris, Les presses universitaires de France, 1929. (Les problèmes biologiques XIII)
Section 1. Végétaux (p.1-130)

Translations filed in Library of Bureau of Plant Industry.

Stöckli, A.
Nordamerikanische futtergerste Federal nr. 2 (North American feed barley "Federal no.2" Landw. Jahrb. Schweiz 43: 398-410. 1929.

Correction. List v.11, no. 26, p. 7

Dates of entries under Gard. Chron. should be N. 30.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

FEB 1

Vol. 12, no. 3. Jan. 20-Feb.1, 1930.

Acta Phytochim. (Tokyo)

Hattori, S.
Ueber corylopsin, einen kristallinischen bestandteil der rinde von Corylopsis spicata. Acta Phytochim. 4: 327-341. illus. D.1929. no.3.

Shibata, K.
Ueber den wirkungsmechanismus der oxydoreduktiven enzyme. Acta Phytochim. 4: 373-379. D.1929. no.3.

Shibata, Y. & Shibata, K.
Untersuchungen uber die oxydasenartigen wirkungen gewisser metallkomplexsalze. Acta Phytochim. 4: 363-371. D. 1929. no.3.

Tamiya, H. & Hida, T.
Vergleichende studien uber die saurebildung, die atmung, die oxydaserekation und das dehydrierungsvermögen von Aspergillusarten. Acta Phytochim. 4: 343-361. D.1929. no.3.

Agr. Journ. Brit.Guiana. (Georgetown)

Martyn, E.B.
Botanical and mycological division, annual report, 1928. Agr. Journ. Brit. Guiana. 2:222-224. D.1929. no.4.

Agriculture et elevage Congo Belge.

Duchesne, Fl.,
Les principales essences forestières congolaises et leurs usages. Agriculture et elevage Congo Belge. 3: 102-105, 133-135, 229-231, 277-279, 373-376. illus. 1929. no.7,9,15,18,24.

Staner, P.
Le die-back du caféier arabica. Agriculture et elevage Congo Belge. 3:325-326. O.19, 1929. no.21.

Staner, P.
Le maladie bactérienne du cotonnier. Agriculture et elevage Congo Belge. 3: 357-359. illus. N.15,1929. no.23.
Bacterium malvacearum.

Agriculture et elevage Congo Belge. (cont.)
Vanderyst, R.P.H.
Quelques plantes ornementales à propager. Agriculture et elevage Congo Belge. 3: 343-345. illus. N.2, 1929. no.22.

Amer. Journ. Bot.
Fong, W.Y. & Cruess, W.V.
Comparison of several indicators for fruit oxidase. Amer. Journ. Bot. 16: 799-802. D.1929. no.10.

Gehlin, Sister R.
Stelar anatomy of Cicer arietinum and Glottidium floridanum. Amer. Journ. Bot. 16: 781-788. pl. lxx-lxxii. D.1929. no.10.

Karling, J. S.
The lactiferous system of Achras zapota L. I. Amer. Journ. Bot. 16: 803-824. illus., pl. lxxiii-lxxvii. D.1929. no.10.
I. A preliminary account of the origin, structure, and distribution of the latex vessels in the apical meristem.

McNair, J. B.
The taxonomic and climatic distribution of oils, fats, and waxes in plants. Amer. Journ. Bot. 16: 832-841. D.1929. no.10.

Thomas, H.E. & Muller, A.S.
Some factors which influence the infection of Apium graveolens L. by Septoria apii Rostr. Amer. Journ. Bot. 16: 789-798. D.1929. no.10.

Wilson, O.T.
The colonial development of Navicula rhombica Greg. Amer. Journ. Bot. 16: 825-831. illus., pl. lxxviii-lxxix. D.1929. no.10.

Anales Mus.Hist. Nat. Montevideo.
Osten, C. & Herter, G.
Plantae Uruguayenses. V. Las gramineas. Anales Mus. Hist. Nat. Montevideo. II,3: 43-56. 1929. no.1.

Angew. Bot. (Berlin)
Dounin, M.S.
Das öl des kenaphsamens (Hibiscus cannabinus L.) Angew. Bot. 11: 569-578. N./D.1929. no.6.

Ann. Mycol. (Berlin)

Bose, S. R.

Revival of an old fruit body of Hexagonia discopoda, Pat. and Hariot, and successful spore-culture from its fresh spore-discharge. Ann. Mycol. 27: 321-323. illus. 1929. no.5/6.

Petrak, F.

Mykologische notizen. X. Ann. Mycol. 27: 325-410. 1929. no.5/6.

Poeverlein, H.

Puccinia zelenikensis Poeverlein n.sp., eine neue umbelliferen-bewohnende uredinee aus Dalmatien. Ann. Mycol. 27: 416-417. 1929. no.5/6.

Sartory, A., Sartory, R. & Meyer, J.

Un champignon nouveau du genre Sterigmatocystis (Sterigmatocystis basidiosepta n.sp.) à basides cloisonnées. Ann. Mycol. 27: 317-320. pl. vii. 1929. no.5/6.

Sydow, H.

Fungi chinensis. Ann. Mycol. 27: 418-434. 1929. no.5/6.

Sydow, H.

Eine neue deutsche ustilaginee, Ustilago cichorii n.sp. Ann. Mycol. 27: 413-415. illus. 1929. no.5/6.

Sydow, H.

Weitere mitteilungen über das vorkommen der Uropyxis mirabilissima in Deutschland. Ann. Mycol. 27: 411-412. 1929. no.5/6.

Ann. Rept. Dept. Agr. Assam.

Assam. Dept. of agriculture.

Mycology... summary of work done during the year. In its Ann. Rep. 1928/29: 45-46. 1929.

S.K. Mitra in charge.

Arb. Biol. Reichsanst. Land- u. Forstw. (Berlin)

Speyer, W.

Die klimatischen und parasitären faktoren im ursachenkomplex der obst-fehlernten an der Niederelbe. Arb. Biol. Reichsanst. Land.- u. Forstw. 17: 423-434. 1929. no.5.

Arb. Biol. Reichsanst. Land- u. Forstw. (cont.)

Wartenberg, H.

Die bodenverhaltnisse der niederelbischen marschen und ihre phytopathologische bedeutung fur den obstbau. Arb. Biol. Reichsanst. Land- u. Forstw. 17: 401-422. illus. 1929. no.5.

Arch. Bot. Sist. Fitogeogr. e Gen. (Forli)

Béguinot, A.

Considerazioni intorno al "monotipismo" e sui generi monotipici della flora Italiana. Arch. Bot. Sist. Fitogeogr. e Gen. 5: 218-285. D.1929. no.3/4.

Béguinot, A.

[Prof. Fridiano Cavara.] Arch. Bot. Sist., Fitogeogr. e Gen. 5: 286-288. D.1929. no.3/4.

Bertoni-Campidori, D.

La flora alveale del fiume Lamone. Arch. Bot. Sist. Fitogeogr. e Gen. 5: 183-202. D.1929. no.3/4.

Bolzon, P.

Sui limiti fra le piante delle Alpi e degli Appennini in Liguria. Arch. Bot. Fitogeogr. e Gen. 5: 203-206. D.1929. no.3/4.

Negodi, G.

Reperti anatomici sugli ovari e sulle fruttificazioni spontanee di "Stratiotes aloides L.". Arch. Bot. Sist. Fitogeogr. e Gen. 5: 206-217. illus. D.1929. no.3/4.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin)

Gilg, E. & Schürhoff, P.N.

Die entwicklung der sekretbehälter bei den umbelliferen und rutaceen. Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 7-13. illus. Ja. 1930. no.1.

Munesada, T.

Anatomie und mikrochemie der frucht von Gardenia florida L. und andern Gardenia-arten sowie der vergleich mit der frucht von Randia dumetorum Lam. (= Gardenia dumetorum Roxb.) Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 13-22. illus. Ja.1930. no.1.

Arch. Protistenk. (Jena)

Geitler, L.

Ueber den bau der kerne zweier diatomeen. Arch. Protistenk. 68: 625-636. illus. 1929. no.3.

Navicula radiosa, Eunotia formica f.

Pascher, A.

Ueber die beziehungen zwischen lagerform umd standortsverhältnissen einer gallertalge (Chrysocapsale). Arch. Protistenk. 68: 637-668. illus. 1929. no.3.

Celloniella palensis, nov.gen., nov.spec.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Hoop, J.N. van der.

Een en ander over periodiciteit in den groei van Hevea brasiliensis. Arch. Rubbercult. Nederl.-Ind. 13: 667-682. diagrs. D.1929. no.12.

Ber Deut. Bot. Ges. (Berlin)

Bachmann, E.

Der lagerbau bei Verrucaria. Ber. Deut. Bot. Ges. 47: 554-560. illus. D.24, 1929. no.9.

Claussen, H.

Zur entwicklungsgeschichte von Phyllophora brodiaei. Ber. Deut. Bot. Ges. 47: 544-547. illus. D.24, 1929. no.9.

Figdor, W.

Ueber den positiven geotropismus der achsenknollen von Gloriosa superba Linn. und G. rothschildiana O'Brien. Ber. Deut. Bot. Ges. 47: 548-553. illus. D.24, 1929. no.9.

Laibach, F.

Die bedeutung der homostylen formen für die frage nach der vererbung der heterostylie. Ber. Deut. Bot. Ges. 47: 584-596. illus. D.24, 1929. no.9.

Niethammer, A.

Histochemische untersuchungen über gerbstoffe im blatte von Carpinus betulus zu verschiedenen zeitpunkten. Biochem. Zeitschr. 216: 462-466. D.20, 1929. no.4/6.

Stephan, J.

Untersuchung fermentativer teilprozesse bei der samenkeimung. Ber. Deut. Bot. Ges. 47: 561-564. D.24, 1929. no.9.

Cannabis sativa.

Ber. Deut. Bot. Ges. (cont.)

Stern, K. & Bünning, E.

Ueber die tagesperiodischen bewegung der primärblätter von Phaseolus multiflorus. Ber. Deut. Bot. Ges. 47: 565-584. illus. D.24, 1929. no.9.

I. Der einfluss der temperatur auf die bewegungen.

Better Fruit. (Portland, Ore.)

Bregger, J. T.

Red strains in apples. Better Fruit. 24(7): 7,13. illus. Ja.1930.

Zeller, S. M.

Yellow rust and cane blight of red raspberry in Oregon. Better Fruit. 24(7): 5-6. illus. Ja.1930.

Biochem. Zeitschr. (Berlin)

Kobel, M. & Scheuer, M.

Ueber den kohlenhydratumsatz im tabakblatt. Nachweis von methylglyoxal als zwischenproduckt im stoffwechsel grüner blatter. Biochem. Zeitschr. 216: 216-223. D.13,1929. no.1/3.

Rewald, B.

Ueber das vorkommen von phosphatiden in kartoffeln, steckrüben und wurzeln. Biochem. Zeitschr. 216: 11-14. D.13, 1929. no.1/3.

Rewald, B.

Die verteilung der phosphatide in den samen und den keimpflanzen. Biochem. Zeitschr. 216: 15-18. D.13, 1929. no.1/3.

Biol. Gen. (Vienna)

Bělehrádek, J. & Melichar, J.

L'action différente des temperatures élevées et des températures normales sur la survie de la cellule végétale (Helodea canadansis Rich.) Biol. Gen. 6: 109-124. illus. 1930. no.1.

Haitinger, M.

Ein fluoreszenzmikroskop mit einfachen mitteln. Biol. Gen. 6:125-132. pl.xxiv-xxvii. 1930. no.1.

Blue Anchor. (Sacramento, Cal.)

Chandler, W.H.

Nutritional disturbances in deciduous fruit trees. Blue Anchor. 7: 23-26. illus. Ja.1930. no.1.

Chlorosis; little-leaf; nitrogen deficiency; potassium deficiency; phosphorus deficiency.

Bol. Centro Nac. Agr. Costa Rica.

Yglesias, B.R.

Enfermedades del cafeto, la mancha de la hoja (Stilbella flavida). Bol. Centro Nac. Agr. Costa Rica. no.4. 16 p. illus., fold.pl. N.1929.

Bol. Lab. Path. Veg. Bahia.

Bondar, G.

Insectos damminhos e molestias da laranjeira no Brasil. Bol. Lab. Path. Veg. Bahia. 7. 79 p. illus. 1929.

Bol. Mus. Nac. Rio de Janeiro.

Brade, A. C.

Filices novae brasilianae. Bol. Mus. Nac. Rio de Janeiro. 5:93-96. 3 pl. S.1929 (Rec'd Ja.1930).

Doryopteris quinquelobata var.septemlobata, D. ornithopus var.pygmaea n.var.; D. rufa, Aneimia smithii, n.sp.

Sampaio, A.J.de.

Os campos geraes do Cuminá a phytogeographia do Brasil. Bol. Mus.Nac. Rio de Janeiro. 5: 25-29. Je.1929 (Rec'd Ja.1930). no.2.

Vianna, C. frière

O herbario exotico do Museu nacional. Bol. Mus Nac. Rio de Janeiro. 5: 21-26. Mr.1929 (Rec'd Ja.1930). no.1.

Vianna, C.frière.

Relatorio das excursões realisades para pesquiza de "Acalypha peckoltii". Bol. Mus. Nac. Rio de Janeiro. 5: 55-60. 5 pl. S.1929 (Rec'd Ja.1930). no.3.

Bot. Arch. (Leipzig)

Berckemeyer, W.von. & Ziegenspeck, H.
Der mechamismus einiger kontraktiler wurzeln von monokotylen. Bot. Arch. 27: 225-229. illus. O.1929. no.1/2.
English abstract: p.229.

Dekker, E.
Die phylogenic des phaeophyceen-astes. Bot. Arch. 27: 159-224. O.1929. no.1/2.

Ewert, A.
Morphologische und variationsstatistische untersuchungen an zehn roggensorten wahrend des wachstums und an der reifen pflanze. Bot. Arch. 27: 241-312. D.1929. no.3/4.
English abstract.

Krasske, G.
Beiträge zur kenntnis der diatomaceenflora Sachsens. Bot. Arch. 27: 348-380. illus. D.1929. no.3/4.

Krug, H.
Beitrage zur keimungsphysiologie und bekampfung von samenunkrautern. Bot. Arch. 27: 420-518. illus. D.1929. no.3/4.
English abstract.

Ness, R.
Untersuchungen über die physikalische und chemische veränderung reifender hulsenfruchtsamen. Bot. Arch. 27: 60-158. diagrs. O.1929. no.1/2.
English abstract: p. 126-128.

Priebs, F.
Experimentelle untersuchungen über das ausfallen der körner bei hafer und weizen. Bot. Arch. 27: 1-59. illus. O.1929. no.1/2.

Rabinowitsch, B. & Ziegenspeck, H.
Das verhalten der schnecken und ameisen zu den gleichen abwehrmitteln der pflanzen. Bot. Arch. 27: 313-326. D.1929. no.3/4.
English abstract.

Bot. Arch. (cont.)

Schiller, J.

Ueber eine biologische und hydrographische untersuchung des oberflachenwassers im westlichen Mittelmeer im August 1928. Bot. Arch. 27: 381-419. illus. D.1929. no.3/4.

English abstract.

Bot. Not. (Lund, Sweden)

Arwidsson, Th.

Växtgeografiska notiser från Norrland. II. Bot. Not. 1929: 305-310. no.5/6

Dahlgren, K.V.O.

Geschlecht und katalasewirkung. Bot. Not. 1929: 341-353. illus. no.5/6.

Fries, T.C.E.

Die Cerastium-arten des tropischen Afrika. Bot. Not. 1929: 285-296. illus. no.5/6.

C.keniense, C.aberdaricum, C.afromontanum, n.spp.

Gustafsson, C.E.

Rubus scanicus Aresch. et Rubus semiscanicus C.E. Gust. Bot. Not. 1929: 297-301. no.5/6.

Lamprecht, H.

Die bedeutung der ultravioletten sonnenstrahlen fur die entwicklung einiger pflanzen. Bot. Not. 1929: 311-340. illus. no.5/6.

Sylvén, A.N.

Melilotus albus Desr. officinalis (L.) Desr. funnen i Sverige. Bot. Not. 1929: 302-304. no.5/6

Bull. Amer. Iris Soc.

Fay, D.M., Chandler, C. & Stout, A.B.

The iris scholarship for 1929. Bull. Amer. Iris Soc. 33: 3-8. illus. O.1929.

The work in breeding. The studies of pollen longevity.

Bull. Fan. Mem. Inst. Biol.

Ching, R. C.

A new noteworthy Woodsia from Hopei. Bull. Fan Mem. Inst. Biol. 1: 101-103. 1 pl. O.31,1929. (Rec'd Ja.1930). no.6.

W. xanthosporangia.

Bull. Fan. Mem. Inst. Biol. (cont.)

Hu, H.H.

Further observation on the forest flora of southeastern China. Bull. Fan Mem. Inst. Biol. 1: 51-62. Ag.30, 1929 (Rec'd Ja.1930). no.3.

Hu, H.H.

Prodromus florae sinensis. II. Bull. Fan Mem. Inst. Biol. 1: 11-47. Je.30, 1929 (Rec'd Ja.1930). no.2.

Bull. Gard. Club Amer.

Anderson, M.S.

Savannah's old plantations. Bull. Gard. Club Amer. IV, 7: 13-20. illus. Ja.1930.

Coville, F. V.

Address before the Presidents' Council of the garden club of America, at the Colony Club in New York, November 13,1929. Bull. Gard. Club Amer. IV, 7: 44-48. Ja.1930.

The municipal wild park. - The national arboretum.

McKinlock, M. R.

Palm Beach flowers and shrubs. Bull. Gard. Club Amer. IV, 7: 40-43. Ja.1930.

Bull. Murithienne Soc. Valais. Sci. Nat. (St.Maurice)

Gams, H.

Remarques ultérieures sur l'histoire des pineraies du Valais comparées à celles de l'Europe orientales. Bull. Murithienne Soc. Valais. Sci. Nat. 46: 76-96. 1929.

Bull. Ontario Dept. Agr.

Howitt, J. E. & Stone, R.E.

Grain smuts. Bull. Ontario Dept. Agr. 349. 18 p. illus. D.1929.

Bull. Peking Soc. Nat. Hist.

Hu, H.H.

The nature of the forest flora of southeastern China. Bull. Peking Soc. Nat. Hist. 4: 47-56. S.1929. no.1.

Circ. Wild Flower Preserv. Soc.

Ricker, P.L.

Trailing arbutus. Circ. Wild Flower Preserv. Soc. no. 19, [3] p. illus. [1930].

Citrus Indust. (Tampa, Fla.)

Robison, H.E.

Controlling the fruiting tendency of citrus. Citrus Indust. 11(1): 10,22. Ja.1930. no.1.

Compt. Rend. Acad. Agr. France. (Paris)

Viala, P.

Les matières colorantes contre le mildious et l'oidium. Compt. Rend. Acad. Agr. France. 16: 42-45. Ja.1930. no.1.

Note by M. Mangin: p.45-46.

On work of G. Truffaut & I. Pastac.

Compt. Rend. Acad. Sci. Paris.

Dangeard, L.

Récifs et galets d'algues dans l'oolithe ferruginense de Normandie. Compt. Rend. Acad. Sci. Paris. 190: 66-68. Ja.6,1930. no.1.

Dusseau, A.

Sur la chlorophylle des feuilles de blé. Compt. Rend. Acad. Sci. Paris. 190: 68-70. Ja.6, 1930. no.1.

Compt. Rend. Soc. Biol. Paris.

Hocquette, M.

Découverte du "canker" dans les houblonnières de Flandre. Compt. Rend. Soc. Biol. Paris. 102: 1025-1026. Ja.3, 1930. no.36.

Fusarium roseum = Gibberella suabinetii.

Hocquette, M.

Les réactions parasitaires des cellules d'Alnus glutinosa infectées par une hyphoïdée. (cont.) Compt. Rend. Soc. Biol. Paris. 102: 1026-1028. Ja.3, 1930. no.36.

Petit, A.

Développement de l'embryon chez Fumaria officinalis. Compt. Rend. Soc. Biol. Paris. 102: 1028-1030. Ja.3,1930. no.36.

Contr. U. S. Nat. Herb. (Washington)

Trelease, W.

The Piperaceae of Costa Rica. Contr. U.S. Nat. Herb. 26: 115-226. D.31,1929. no.4.

Flor. Exch. (N.Y.)

Weiss, F.

Late news about narcissus basal rot control. Flor. Exch. 73(4):11. illus. Ja.25,1930.

Flor. Rev. (Chicago)

Chadwick, L.C.

Propagation by cuttings. Flor. Rev. 65(1677): 31-32. Ja.16,1930.

Fortschr. Landw. (Vienna)

Sandŭ-Ville, C.

Saugkraftmessungen and gramineen. Fortschr. Landw. 5:57. Ja.15,1930. no.2.

Gard. Chron. (London)

Andersnn, A. W.

New Zealand filmy ferns. Gard. Chron. III, 87: 8-9. illus. Ja.4, 1930. no.2245.

Brown, N.E.

Mesembryanthemum. (cont.). Gard. Chron. III, 87: 13-14, 32-33. Ja.4-11, 1930. no.2245-2246.

Coutts, J.

Fuchsias. Gard. Chron. III, 87: 10-11, 27, 44-45. illus. Ja.4-18, 1930. no.2245-2247.

Darnell, A. W.

The genus Primula. (cont.) Gard. Chron. III, 87: 14-15, 33, 50-51. Ja.4-18, 1930. no.2245-2247.

Henry, A.

Populus vernirubens, A. Henry. Gard. Chron. III, 87: 24-25. illus. Ja.11,1930. no.2246.

A new hybrid.

Ingwersen, W.E.T.

Plant hunting on the Thessalian Olympus. Gard. Chron. III, 87: 30-31, 48. Ja.11,18,1930. no.2246-2247.

Gard. Chron. (cont.)

Jackson, A. B.
The Chinese cedar. Gard. Chron. III, 87: 46. illus. Ja.18,1930. no.2247.
Cedrela sinensis.

Ward, F. K.
Primula agleniana and its allies. Gard. Chron. III, 87: 12-13. illus. Ja.4,1930. no.2245.

Yashiroda, K.
Cascade chrysanthemums. Gard. Chron. III, 87: 28-29. illus. Ja.11, 1930. no.2246.

Gard. Illus. (London)

Plant hunting in Spitzbergen. Gard. Illus. 52: 22-23. illus. Ja.11,1930. no.2653.

Gartenschönheit. (Berlin)

Kayser, K.
Einheimische orchideen. Gartenschönheit. 10: 226-228. illus. Je.1929 (Rec'd Ja.1930). no.6.

Schneider, C.
Die zeit der blütenstraucher. Gartenschönheit. 10: 213-216. illus. Je.1929 (Rec'd Ja.1930). no.6.

Gladiolus Rev. (Goshen, Ind.)

Delkin, F. L.
Eliminating disease in gladiolus corms. Gladiolus Rev. 7: 69-70. F.1930. no.2.

Oven, H. C.
Calogreen as a preventive for scab. Gladiolus Rev. 7: 75. F.1930. no.2.

Hilgardia, (Berkeley, Cal.)

Smith, O.
Effects of various treatments on the carbon dioxide and oxygen in dormant potato tubers. Hilgardia. 4: 273-306. illus. D.1929. no.11.

House and Gard. (Greenwich,Conn.)

Wilson, E. H.
Scrubs for use in the rock garden. House and Gard. 57(2): 92-93,148,150,154. illus. F.1930. (Ja.)

Izv. Nauchn. Inst. P.F. Lesgafta. (Bull. Inst. Sci. Lesshaft) (Leningrad)

Bulgakova, Z.P. & Engel, P.S.

... Ueber die chlorophyllbildung bei den koniferen. Die wirkung des lichtes auf das ergrünen der koniferen. Izv. Nauchn. Inst. P.F. Lesgafta. (Bull. Inst. Sci. Lesshaft). 15: 177-182. 1929.

Russian with English summary.

Zaitseva, A. A.

... About the influence of Mg on the chlorophyll accumulation in the tissues of some alga and superior plants. Izv. Nauchn. Inst. P.F. Lesgafta. (Bull. Inst. Sci. Lesshaft). 15: 137-175. 1929.

Russian with English summary.

Jahrb. Wiss. Bot. (Leipzig)

Gradmann, H.

Untersuchungen über die wasserhaltnisse des bodens als grundlage des pflanzenwachstums. II. Jahrb. Wiss. Bot. 71: 669-682. diagrs. 1929. no.5.

Schorn, M.

Untersuchungen über die verwendbarkeit der alkoholfixierungs- und der infiltrationsmethode zur messung von spaltöffnungsweiten. Jahrb. Wiss. Bot. 71: 783-840. 1929. no.5.

Journ. Agr. Sci. (London)

Roach, W. A.

Sulphur as a soil fungicide against the potato wart disease organism. Journ. Agr. Sci. 20: 74-96. illus. Ja.1930. no.1.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Butler, O.

Effect of size of seed used in commercial planting on the incidence of leaf-roll and mosaic in potatoes. Journ. Amer. Soc. Agron. 22: 75-76. Ja.1930. no.1.

Down, E. E. & Lavis, C. A.

Studies on methods for control of pollination in sugar beets. Journ. Amer. Soc. Agron. 22: 1-9. illus. Ja.1930. no.1.

Journ. Amer. Soc. Agron. (cont.)

Woodworth, C. M.

Abortive seeds in soybeans. Journn. Amer. Soc. Agron. 22: 37-50. illus. Ja.1930. no.1.

Journ. Arnold Arb.

Faull, J. H.

Notes on forest diseases in Nova Scotia. Journ. Arnold Arb. 11: 55-58. Ja. 1930. no.1.

Hu, H. H.

Notulae systematicae ad floram sinensem. Journ. Arnold Arb. 11: 48-50. Ja.1930. no.1.

Sloanea chingiana, Schizophragma macrosepalum.

Mildbraed, J.

New species and a new genus from East Africa. Journ. Arnold Arb. 11:50-55. Ja.1930. no.1.

Parastriga n.gen.

Nekrassowa, V.

Review of the Juglandaceae in the U.S.S.R. Journ. Arnold Arb. 11: 1-7. pl.19-20. Ja.1930. no.1.

O'Mara, J.

Chromosome number in the genus Forsythia. Journ. Arnold Arb. 11: 14-15. Ja.1930. no.1.

Sax, K.

Chromosome number and behavior in the genus Syringa. Journ. Arnold Arb. 11: 7-14. pl.21. Ja.1930. no.1.

Standley, P.C.

Three new plants from Yucatan. Journ. Arnold Arb. 11: 47-48. Ja.1930. no.1.

Nemastylis bequaertii, Erythroxylon bequaertii, Stenandrium subcordatum.

Standley, P. C.

The woody plants of Siguatepeque, Honduras. Journ. Arnold Arb. 11: 15-46. Ja.1930. no.1.

Journ. Bot. (London)

Bennett, A., Salmon, C.E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany". Journ. Bot. 68(suppl.): 57-64. Ja. 1930. no.805.

Dixon, H. N.
Notes on Thwaite's Ceylon mosses. Journ. Bot. 68: 1-10. Ja. 1930. no.805.

Oswald Allan Reade. (1848-1929). Journ. Bot. 68: 22. Ja. 1930. no.805.

Ridley, H. N.
Myrtaceae malayensis. Journ. Bot. 68: 10-17. Ja. 1930. no.805.

Mason, F. A.
Harold Wager, F.R.S.(1862-1929). Journ. Bot. 68: 18-20. Ja.1930. no.805.

Weiss, F. E.
James Cosmo Melvill (1845-1929). Journ. Bot. 68: 20-22. Ja. 1930. no.805.

Journ. For. (Washington, D.C.)

Baker, F. S.
Effect of excessively high temperatures on coniferous reproduction. Journ. For. 27: 949-975. illus. D.1929. no.8.

Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo.

Tasugi, H.
On the snow-rot (yukigusare) fungus, Typhula graminum, Karsten, of graminaceous plants. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo. 1:41-56. pl.vi-vii. Mr,1929(Rec'd D.) no.1.
English résumé: p.55-56.

Terao, H. & Katayama, T.
On the premature heading in paddy rice. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo. 1: 25-40. pl. iii-v. Mr.1929 (Rec'd D.) no.1.
English résumé: p.38-40.

Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo. (cont.)
Yamasaki, M.
On the variation of rice varieties in the resistance to the toxic action of potassium chlorate, and its practical significance. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo. 1: 1-24. pl. i-ii. Mr.1929 (Rec'd D.) no.1.
English résumé: p. 23-24.

Journ. Indian Bot. Soc. (Madras)
Asana, J.J. & Sutaria, R. N.
A cytological study of pollen development in Carica papaya, Linn. Journ. Indian Bot. Soc. 8: 235-244. iii pl. D.1929. no.4.

Blatter, E.
The Indian species of Terminalia, Linn. Journ. Indian Bot. Soc. 8: 245-262. D.1929. no.4.

Maheshwari, P.
Contributions to the morphology of Boerhaavia diffusa I. Journ. Indian Bot. Soc. 8: 219-234. illus. v pl. D.1929. no.4.

Sabnis, T. S.
A note on the ecology of the flora of Sind. Journ. Indian Bot. Soc. 8: 263-286. diagrs. D.1929. no.4.

Journ. Roy. Soc. Western Austr. (Perth)
Bennetts, H. W.
Contributions to our knowledge of West Australian poison plants. Journ. Roy. Soc. Western Austr. 14: 7-21. 1928. (Rec'd D.1929)

Carne, W. M.
Additions to the plant diseases of southwestern Australia. Journ. Roy. Soc. Western. Austr. 14: 23-32. 1928(Rec'd D. 1929)

Carne, W.M.
An outline of the history of phytopathology with special reference to its development in Australia. Journ. Roy. Soc. Western. Austr. 14: xxiv-xxvi. 1928. (Rec'd D.1929)
Presidential address.

Journ. Roy. Soc. Western Austr. (cont.)

Gardner, C. A.

Contributiones florae Australiae occidentalis VI-VII. Journ. Roy. Soc. Western Austr. 13: 61-68. pl. xxiv-xxvii. 1928. (Rec'd D.1929); 14: 79-82. pl.ii. 1928 (Rec'd.D.1929)

Maiden, J.H. & Blakely, W.F.

Descriptions of fifty new species and six varieties of Western and Northern Australian acacias and notes on four other species. Journ. Roy. Soc. Western Austr. 13: 1-36. pl.i-xxii. 1928. (Rec'd D.1929)

Already entered as reprint.

Journ. Sapporo Soc. Agr. & For.

Ito, S. & Ishiyama, T.

On the internal fungus parasites of rice seeds (preliminary report). Journ. Sapporo Soc.Agr. & For. 21: 218-235. S.1929.

Japanese with English description of n.sp. (Brachysporium oryzae).

Tazawa, O.

Experimentelle studien über das saatbeizmittel "tillantin" IV. Journ. Sapporo Soc. Agr. & For. 21: 201-209. S.1929. no.96.

Japanese.

Journ. Washington Acad. Sci.

Wherry, E.T.

A long lost Phlox. Journ. Washington Acad. Sci. 20: 25-28. illus. Ja.18, 1930. no.2.

P. buckleyi, n.sp.

Just. Liebigs Ann. Chem. (Berlin)

Butenandt, A. & Hildebrandt, F.

Untersuchungen über pflanzliche fisch- und insektengifte II. 2. Mitteilung über rotenon, den physiologisch wirksamen bestandteil der Derris elliptica. Just. Liebigs Ann. Chem. 477: 245-268. Ja.11, 1930. no.3.

Lamberg, R.

Chromoproteide der rotalgen. II. Spaltung mit pepsin und säuren. Isolierung eines pyrrolfarbstoffs. Just. Liebigs Ann. Chem. 477: 195-245. illus., 1 pl. Ja.11, 1930. no.3.

Landbouw Tijdschr. Vereen. Landb. Nederl-Indië.

Quanzer, H.M.

De virusziekten der planten (cont.) Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. 5: 273-314. O. 1929. no.4.

Landw. Jahrb. Bayern. (München)

Berthold, Th.

Vergleichende morphologische und physiologische untersuchungen an einigen tabaksorten. Landw. Jahrb. Bayern. 19: 625-682. illus. 1929. no.11/12.

Landw. Jahrb. Schweiz. (Bern)

Kobel, F. & Sachoff, T.

Befruchtungsversuche mit kirschen. Landw. Jahrb. Schweiz. 43: 1037-1064. illus., 1 fold.pl. 1929. no.8.

Mitt. Deut. Dendrol. Ges.

Andréjeff, W.

Ueber die homologen reihen der formen der stieleiche, traubeneiche und flaumeiche. Mitt. Deut. Dendrol. Ges. 41: 186-206. illus. 1929.

Fitschen, J.

Die gattung Tsuga. Mitt. Deut. Dendrol. Ges. 41: 1-11. pl.1-6. 1929.

Kanngiesser, F.

Dendrologische toxicologie III. Mitt. Deut. Dendrol. Ges. 41: 120-125. 1929.

Kräusel, R. & Kubart, B.

Kritische bemerkungen bezüglich Glyptostrobus und Taxodium. Mitt. Deut. Dentrol. Ges. 41: 154-158. pl. 15-16. 1929.

Küster, E.

Beiträge zur kenntnis der panaschierten gehölze XXIII-XXVII. Mitt. Deut. Dendrol. Ges. 41: 147-356. illus. 1929.

Marzell, H.

Die deutschen bäume in der volkskunde. 5. Die fichte, Picea excelsa. Mitt. Deut. Dendrol. Ges. 41: 78-87. 1929.

Mitt. Deut. Dendrol. Ges. (cont.)

Rehder, A.
Zur nomenklatur der Magnolia denudata und M. liliflora Desrouss. Mitt. Deut. Dendrol. Ges. 41: 342-346. pl.31-32. 1929.

Schwerin, F. graf von.
Botanische und forstliche mitteilungen über koniferen. Mitt. Deut. Dendrol. Ges. 41: 159-174. pl.17-22. 1929.

Suringar, J. V.
Die anwendung der internationalen botanischen nomenklatuuregeln. II. Mitt. Deut. Dendrol. Ges. 41: 29-77. illus. 1929.
Transl. from Dutch by H. Höfker.

Uphof, J.C.T.
Dendrologische notizen aus dem staate Florida. Mitt. Deut. Dendrol. Ges. 41: 232-254. illus., pl.25-26. 1929.

Vogel, F.
Untersuchungen und versuche über die ernährung und die sogenannte bodenmüdigkeit von gehölzen. Mitt. Deut. Dendrol. Ges. 41: 288-303. pl.27-30. 1929.

Wein, K.
Barock, rokoko und die dendrologie. Mitt. Deut. Dendrol. Ges. 41: 88-116. 1929.

Wolf, E.
Larix hians Egb. Wolf. Mitt. Deut. Dendrol. Ges. 41: 408-409. illus. 1929.

Wolf, E.
Lonicera caudata Egb. Wolf. (species nova) Mitt. Deut. Dendrol. Ges. 41:405-407. illus. 1929.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Matthes, F.
Blaufärben der hortensien und entkalken des giess-wassers. Möller's Deut. Gärtn. Zeit. 45: 14. illus. Ja.11,1930. no.2.

New Flora & Silva. (London)

Bean, W.J.
The Camellia. New Flora & Silva. 2: 75-80. 1 pl. Ja. 1930. no.2.

Millard, F. W.
Lewisias. New Flora. & Silva. 2:81-84. 3 pl. Ja.1930. no.2.

Stern, F. C.
Notes from a chalk garden in Sussex. New Flora & Silva. 2: 85-91. 1 pl. Ja.1930. no.2.

Wilson, E. H.
The island of Formosa and its flora. New Flora & Silva. 2: 92-103. 4 pl. on 2. Ja.1930. no.2.

New Jersey Agr. (New Brunswick)

Martin, W. H.
Some vegetables diseases and their control. New Jersey Agr. 12(2): 3. F.1930 (Ja.)

New Phytol. (London)

Chattaway, M.
Protoplasmic retractions in Bryopsis plumosa. New Phytol. 28: 359-368. D.31, 1929. no.5.

Knudson, L.
Seed germination and growth of Calluna vulgaris. New Phytol. 28: 369-376. pl. vii-ix. D.31, 1929. no.5.

Rayner, M. C.
Seedling development in Calluna vulgaris. New Phytol. 28: 377-385. D.31, 1929. no.5.

Snow, R.
The young leaf as the inhibiting organ. New Phytol. 28: 345-358. illus. D.31, 1929. no.5.

Stiles, W.
Note on the use of the term "suction pressure". New Phytol. 28:386. D.31,1929. no.5.

Whyte, R.O.
Chromosome studies I-II. New Phytol. 28: 319-335, 336-344. illus. D.31,1929. no.5.
I. Relationship of the genera Alstroemeria and Bomarea. II. Interspecific hybrids in the genus Nolana.

New Zeal. Journ. Agr. (Wellington)

Grimmett, R.E.R. & Taylor, C.R.

Chemical control of ragwort. New Zeal. Journ. Agr. 39: 382-384. D.20, 1929. no.6.

Salt and sulphate of iron.

Obst- u. Gemüseb. (Berlin)

Hostermann, G. & Merkel, L.

Zweckmässige bekämpfung der braunfleckenkrankheit in tomatenkulturen unter glas. Obst- u. Gemüseb. 75: 240-241. D.18, 1929. no.12.

Klebahn, H.

Bekämpfung der blattfleckenkrankheit und der schorfkrankheit der sellerieknollen durch anzucht gesunder sellierpflanzen. Obst- u. Gemüseb. 75: 232-234. Illus. D.18, 1929. no.12.

Ochrana Rostlin. (Prague)

Rambousek, F.G.

Nejduležitějsi choroby řepové. Ochrana Rostlin. 9: 54-65. D.5, 1929. no.3/4.

Diseases of the beet (sugarbeet?)

Smolák, J.

Letošní mrazové poruchy korových pletiv. Ochrana Rostlin. 9: 49-54. illus. D.5, 1929. no.3/4.

English résumé, p.54.

Winter injury to fruit trees.

Smolák, J.

Názvosloví chorob ovocných kultur. Ochrana Rostlin. 9: 90-92. D.5, 1929. no.3/4.

Terminology of diseases in fruit culture.

Oesterr. Vierteljahresschr. Forstw. (Wien)

Schimitsckek, E.

Waldhygienische beobachtungen anlässlich der schweizer lehrwanderung des Oesterr. Reichsforstvereines 1929. Oesterr. Vierteljahresschr. Forstw. 79(n.s. 47): 347-356. 1929. no.4.

Orchid Rev. (Richmond, England)

Cooper, R.
Cymbidium dayanum. Orchid Rev. 38: 16-17.
Ja. 1930. no.439.

Laycock, J.
Java to Timor. Orchid Rev. 38: 10-14.
Ja. 1930. no.439.

Smith, J.J.
Malayan and Papuan jewel orchids. Orchid Rev.
38: 3-9. Ja. 1930. no.439.

Pamphl. Counc. Sci. Industr. Res. Australia.

Dickson, B. T.
The work of the division of economic botany for the year 1928-29. Pamphl. Counc. Sci. Industr. Res. Australia. no.14. 29 p. 1929.
Largely concerned with plant diseases.

Pharm. Journ. (London)

Holmes, E. M.
The mode of growth of Artemisia maritima.
Pharm. Journ. 124: 24. Ja.11, 1930. no.3454.

Physis. (Buenos Aires)

Barros, M.
Las ciperáceas de los alredodores de Buenos Aires. Physis. 9: 355-398. pl.1-13. O.21, 1929 (Rec'd Ja.1930) no.34.

Burkart, A.
Wilhelm Becker. Physis. 9: 473-474. O.21, 1929 (Rec'd Ja.1930) no.34.

Hauman, L. & Parodi, L.R.
Notas sobre gramineas criticas de la flora austrosudamericana. Physis. 9: 335-345. illus. O.21, 1929 (Rec'd Ja.1930- no.34.

Johnston, I.M.
A collection of plants from the high Cordilleras of northwestern San Juan. Physis. 9: 297-326. O.21, 1929 (Rec'd Ja.1930). no.34.

Marchionatto, J. B.
La presencia de la "Plasmodiophora brassicae" en la República Argentina. Physis. 9: 455-456. O.21, 1929 (Rec'd Ja.1930) no.34.

Physis. (cont.)

Parodi, L. R.
Hermann Wolff. Physis. 9: 473. O.21,1920. (Rec'd Ja.1930). no.34.

Parodi, L. R.
La vegetación de las islas próximas al puerto de San Nićolás. Physis. 9: 465. O.21, 1929 (Rec'd Ja.1930) no.34.

Planta Arch. Wiss. Bot. (Berlin)

Ehrke, G.
Die einwirkung der temperatur und des lichtes auf die atmung und assimilation der meeresalgen. Planta Arch. Wiss. Bot. 9: 631-638. illus. D.20, 1929. no.3.
Vorlaufige mitteilung.

Hennig, L.
Beitrage zur kenntnis der resedaceenblute und -frucht. Planta Arch. Wiss. Bot. 9: 507-563. illus. D. 20,1929. no.3.

Kerl, H. w.
Beitrag zur kenntnis der spaltoffnungsbewegung. Planta Arch. Wiss. Bot. 9: 407-463. illus. D.20, 1929. no.3.

Kirchheimer, F.
Die follilen vertreter der gattung Salvinia Mich. Planta Arch. Wiss. Bot. 9: 388-406. illus. D.20, 1929. no.3.
I. Ein beitrag zur kenntnis der mikrosporangien der Salvinia formosa Heer.

Kümmel, K.
Elektrische potentialdifferenzen an pflanzen. Planta Arch. Wiss. Bot. 9: 564-630. illus. D.20, 1929. no.3.

Laibach, F.
Untersuchungen über die postfloration tropischer orchideen. Planta Arch. Wiss. Bot. 9: 341-387. illus. D.20, 1929. no.3.

Zschiesche, E.
Beiträge zur kenntnis der verwandtschaftsverhaltnisse der farngattungen Oleandra, Polybotrya, Rhipidopteris und Hemionitis. Planta Arch. Wiss. Bot. 9: 464-506. illus. D.20 1929. no.3

Planter (Kuala Lumpur)

Morris, L. E.

Aims and objects of plant breeding. Planter (Kuala Lumpur). 10: 132-134. D.1929. no.5.

Rubber trees.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Boshart, K.

Richtige ernährung und düngung als grundlage gesunden pflanzenwachstums im gemüsebau. Prakt. Blatt. Pflanzenb. u. Pflanzensch. 29: 264-273. Ja./F.1930. no.10/11.

Flachs, K.

Wichtige krankheiten und schädlinge an gemuse. Prakt. Blatt. Pflanzenb. u. Pflanzensch. 29: 250-264. Ja./F.1930. no.10/11.

Korff, G. & Boning,

Bericht über das auftreten von krankheiten und schadlingen im obst- und gartenbau im jahre 1929. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 283-289. Ja./F.1930. no.10/11.

Korff, G.

Der gegenwartige stand der pflanzenschutzmittelfrage. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 29: 245-250. Ja./F. 1930. no.10/11.

Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.)

Darozhkin, M.A.

... Eine übersicht der rosterkrankung von pflanzen des Orschaschen kreises und eine beschreibung der krankheiten der landwirtschaftlichen kulturpflanzen des Brjanskishen gouverments. Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.) 6: 169-175. 1929.

White Russian.

Novikow, A. L.

... Eine vorläufiges verzeichniss der holzarten, straucher und halbstraucher für Belrussj. Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.) 6: 63-96. 1929.

White Russian with German summary.

Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.) (cont.)

Renard, K. G.

... Zur frage über die gärtnerische klassifikation der abarten aus dem genus Dahlia. Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.) 6: 39-62. illus., tab. 1929.

White Russian with German Summary.

Shumkov, S.

... Der einfluss von selbstbestäubung und kreuzweiser fremdbestäubung auf fruchtansatz und veränderlichkeit der früchte von aepfeln und biren. Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.) 6: 156-168. 1929.

White Russian with German summary.

Vasil'kov, J.I. & Denissov, S. N.

... Pflanzengenossenschaften in flussbett des flusses Pronja. Pratsy Gory-Garetsk. Navuk. Tavar. (Arb. Gory-Goretzk. Gelehr. Ges.) 6: 105-155. illus. 1929.

White Russian with German summary.

Proc. Assoc. South. Agr. Workers. (Atlanta)

Adriance, G.W. & Brison, F. R.

Relationship between number of nuts per cluster, weight of individual nuts and length of shoot in the pecan. Proc. Assoc. South. Agr. Workers. 30: 246-247. 1929.

Preliminary report.

Shuhart, D. V.

The relative time of differentiation of the pistillate and staminate flowers of the pecan. Proc. Assoc. South. Agr. Workers. 30: 250-253. 1929.

Proc. Oklahoma Acad. Sci.

Draper, P.

A comparison of pollen spectra of old and young bogs in the Erie Basin. Proc. Oklahoma Acad. Sci. 9: 50-53. N.1929.

Finnell, H. H.

Some effects of wind injury to growing plants. Proc. Oklahoma Acad. Sci. 9: 24-27. N.1929.

Proc. Oklahoma Acad. Sci. (cont.)

Gould, L.

Lateness of the spring of 1928 as determined by comparison of first blooming dates. Proc. Oklahoma Acad. Sci. 9: 43-46. N.1929.

Gould, L.

Phenological notes for 1928 on middle western spring flowers. Proc. Oklahoma Acad. Sci. 9: 39-42. N.1929.

Sharp, A. J.

Bryophytes of eastern Oklahoma. Proc. Oklahoma. Acad. Sci. 9: 35-38. N.1929.

Webster, J. E.

Phosphorus in plants. Proc. Oklahoma Acad. Sci. 9: 47-49. N.1929.

Proc. Roy. Soc. Ser. B.(London)

Salaman, R. N.

Crinkle "A", an infectious disease of the potato. Proc. Roy. Soc. Ser. B. 106: 50-83. pl.1-4. Ja.14, 1930. no.B741.

Progr. Agr. & Vitic. (Montpellier)

Ravaz, L.

Radicelles de vigne court-nouée. Progr. Agr. & Vitic. 47: 3-4. col.pl. Ja.5, 1930. no.1.

Protoplasma. (Leipzig)

Armstrong, J.L.

Hydrogen-ion phenomena in plants. Protoplasma. 8: 222-260. illus. N.1929. no.2.

I. Hydrion concentration and buffers in the fungi.

Dietrich, F.

Beobachtungen über stoffwanderung in lebendigen zellen. Protoplasma. 8: 161-198. N.1929. no.2.

Stoklasa, J.

Die resorption des jods durch das wurzelsystem der pflanze. Protoplasma. 8: 199-214. N.1929. no.2.

Weber, F.

Protoplasmatische pflanzenatomie. Protoplasma. 8: 291-306. N.1929. no.2.

Sammelreferate.

Quart. Bull. State Plant Bd. Miss.

Miles, L. E.

Control of oat smut. Quart. Bull. State Plant Bd. Miss. 9(2): 8-10. Jl.1929 (Rec'd Ja.1930)

Miles, L. E.

Some sugar cane varieties resistant to mosaic. Quart. Bull. State Plant Bd. Miss. 9(2): 1-4. Jl.1929 (Rec'd Ja.1930).

Repert. Spec. Nov. Fedde. (Berlin)

Aellen, P.

Asiatische Chenopodium-spezies in der europäischen adventivflora. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediterr. 3, no.1/3): 223-225. D.15, 1929. no.9/15.

Aellen, P.

Chenopodium ficifolium Sm. une seine verwandten der eurasischen flora. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediter. 3, no. 1/3): 220-223. D. 15, 1929. no.9/15.

Becherer, A.

Der botanische name der stachelbeere. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediterr. 3, no. 1/3): 225-228. D.15, 1929. no.9/15.

Ribes uva-crispa

Becherer, A.

Ueber Saxifraga aizoides L. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediterr. 3, no. 1/3): 228-229. D.15, 1929. no.9/15.

Brand, A.

Verweisung des gattungsnamens Antiphytum in die synomymie. Repert. Spec. Nov. Fedde. 27: 145-149. D.15, 1929. no.9/15.

Moritzia, Chamissoniophila (nov.nom.)

Flaksberger, C.

Eutriticum verschiedener länder in herbarien und kollektionen von Deutschland, Oesterreich, Frankreich, Dänemark und Schweden. Repert. Spec. Nov. Fedde. 27: 167-178. D.15,1929. no.9/15.

Repert. Spec. Nov. Fedde. (cont.)

Holzfuls, E.
Neuheiten aus der rosenflora Pommerns. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediterr. 3, no.1/3): 230-233. D.15, 1929. no.9/15.

Kränzlin, F.
Kritische bemerkungen zu Pleurothallis sicaria Lindl. Repert. Spec. Nov. Fedde. 27: 143-145. D.15,1929. no.9/15.

Novák, F.A.
Dianthi fimbriati europaei V. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediterr. 3,no. 1/3): 233-236. D.15, 1929. no.9/15.

Poellnitz, K.von.
Zur kenntnis der gattung Anacampseros L. II. Repert. Spec. Nov. Fedde. 27: 129-132. D.15, 1929. no.9/15.
A. retusa, A. fissa n.spp.

Poellnitz, K.von.
Zur kenntnis der gattungen Haworthia Duv. and Gasteria Duv. Repert. Spec. Nov. Fedde. 27: 132-143. D.15,1929. no.9/15.

Renz, J.
Ueber neue orchideen von Rhodos, Cypern und Syrine. Repert. Spec. Nov. Fedde. 27(Repert. Europ. et Mediterr. v.3, no.1/3): 193-219. pl.c-cii. D.15, 1929. no.9/15.
Ophrys cypria n.sp.

Schmidt, O. C.
Beitrage zur kenntnis der flora Westindiens. IV. Repert. Spec. Nov. Fedde. 27: 150-164. pl.xcix. D.15,1929. no.9/15.

Smith, J.J.
Noch einmal Bulbophyllum capitatum Lndl. Repert. Spec. Nov. Fedde. 27: 164-166. D.15,1929. no.9/15.

Wolff, H.
Umbelliferae Asiaticae novae relictae. Repert. Spec. Nov. Fedde. 27: 179-192. D.15,1929. no.9/15.

Repert. Spec. Nov. Fedde. Sonderh.

Loeske, L.

Die laubmoose Europas II. Funariaceae. Repert. Spec. Nov. Fedde. Sonderh. B. 1929.

Rev. Bretonne Bot. (Rennes)

Daniel, L.

Production de variétés nouvelles par le semis des graines du topinambour greffé sur soleil annuel. Rev. Bretonne Bot. 1929: 119-130. illus. 1929.

Daniel, L.

Variations physicophysiologiques des végétaux greffés. Rev. Bretonne Bot. 1929: 721-912. illus., 31 pl. (part col.) 1929.

Continuation of "Etudes sur la greffe".

Guichard, A.

Recherches d'ontogénie morphologique et anatomique sur la feuille végétative des cypéracées Carex glauca L. Rev. Bretonne Bot. 1929: 1-118. illus. 1929.

Rev. Vitic. (Paris)

Broussins. Rev. Vitic. 72: 13. 1 pl. Ja.2, 1930. no.1853.

Signed N.D.L.R.

Condition sometimes due to Bacterium tumefaciens but more often to freezing.

Rhodora. (Boston)

Bemis, E.W.

A new form of Aster amethystinus. Rhodora. 32: 3. Ja.1930. no.373.

f. leucerythros.

Benke, H. C.

Aster amethystinus an obvious hybrid. Rhodora. 32: 1-3. pl.192. Ja.1930. no.373.

Cory, V.L.

A new loco from the Edwards Plateau of Texas. Rhodora. 32: 4-7. Ja.1930. no.373.

Astragalus argillophilus.

Rhodora. (cont.)

Fernald, M.L.
Carex macrocephala and C. anthericoides. Rhodora. 32: 9-11. Ja.1930. no. 373.

Fernald, M. L.
Ligusticum scothicum of the North Atlantic and of the North Pacific. Rhodora. 32: 7-9 pl. 193-194. Ja.1930. no.373.

Kennedy, R. B.
Some additions to the Newfoundland flora. Rhodora. 32: 3-4. Ja.1930. no.373.

Seymour, F. C.
A Callitriche new to Massachusetts. Rhodora 32: 15-16. Ja.1930. no.373.
C. deflexa var. austini.

Schweiz. Zeitschr. Obst- u. Weinb. (Wädenswit)

Kessler, H.
Schrotschussbekampfungsversuche an kirschenbäumen in Sevelen, in Flums und in Wädenswil-Ferrlisberg. Schweiz. Zeitschr. Obst- u. Weinb. 39: 25-29. Ja.18, 1930. no.1/2.

Osterwalder, A.
Schorfbekämpfungsversuche in sommer 1929. Schweiz. Zeitschr. Obst- u. Weinb. 39: 5-12. Ja.18, 1930. no.1/2.

Osterwalder, A.
Versuche über bekämpfung der schrotschusskrankheit an kirschbäumen im sommer 1929. Schweiz. Zeitschr. Obst- u. Weinb. 39: 21-25. Ja.18,1930. no.1/2.

Science. (Lancaster, Pa.)

Gilbert, W. W.
William A. Orton. Science. 71: 89-91. Ja.24, 1930. no.1830.

Zirkle, C.
The use of N-butyl alcohol in dehydrating woody tissue for paraffin embedding. Science. 71: 103-104. Ja.24,1930. no.1830.

Scott. For. Journ.
Gunther, A. E.
The twisting of the tamarac pine. Scott. For. Journ. 43: 81-94. plates. O.1929. no.2.
Pinus contorta var. murrayana.

So. African Gard. (Johannesburg)
Bolus, L.
Mesembrianthemum and allied genera (cont.) So. African Gard. 20: 18-19. illus. Ja.1930. no.1.

Bolus, L.
Plants new and noteworthy. (cont.). So. African Gard, 20: 14. illus. Ja. 1930. no.1.
Lachenalia muirii, L. comptonii, Watsonia fergusoniae, n.sp.

South. Flor. (Fort Worth, Tex.)
Worthen, E. S.
Oklahoma salt waters in propagation and growing. South. Flor. 28(17): 11. Ja.24, 1930.

Stain Techn.
Dorner, W. Ch.
The negative staining of bacteria. Stain Techn. 5: 25-27. Ja. 1930. no.1.

Haynes, R.
Detecting oil in twigs. Stain Techn. 5: 29. Ja.1930. no.1.

Succulenta. (Leeuwarden)
Houten, J.M. van den
Hoe heet die cactus? Succulenta. 12: 2-3. Ja. 1930. no.1.

Te Kura Ngahere, Canterbury (N.Z.) Coll. School. For.
Foweraker, C. E.
The podocarp rain forests of Westland, New Zealand. No. 2. Kahikatea and totara forests and their relationship to silting. Te Kura Ngahere, Canterbury (N.Z.) Coll. School For. 2(4): 6-12. illus. D. 1929.

Techn. Rep. Dept. Agr. Ceylon.
Park, M.
Reports on diseases of plants in Ceylon during 1928. Techn. Rep. Dept. Agr. Ceylon, 1928. Mycol. Div. 9 p. 1929.

Trans. & Proc. New Zeal. Inst. (Wellington, N. Z.)

Cockayne, L.

New combinations in the genus Hebe. Trans. & Proc. New Zeal. Inst. 60: 465-472. N.30, 1929. no.3.

Evans, W.P.

The changes produced by oxidation in the pitted tracheids of certain New Zealand forest trees and their significance in the study of coals. Trans. & Proc. New Zeal. Inst. 60: 481-482. pl. 51-59. N.30, 1929. no.3.

Wall, A.

A preliminary catalogue of New Zealand plants cultivated in Britain. Trans. & Proc. New Zeal. Inst. 60: 379-393. N.30, 1929. no.3.

Trans. & Proc. Roy. Soc. So. Austr.

Black, J. M.

Additions to the flora of South Australia. no.26. Trans. & Proc. Roy. Soc. So.Austr. 52: 225-230 1928 (Rec'd Ja.1930).

Cleland, J. B.

Australian fungi: notes and descriptions. no.7. Trans. & Proc. Roy. Soc. So.Austr. 52: 217-222. 1928(Rec'd Ja.1930).

The South Australian species of the genus Cortinarius.

Finlayson, H. H.

The essential oil of Phebalium argenteum, Smith. Trans. & Proc. Roy. Soc. So.Austr. 52: 235-239. 1928 (Rec'd Ja.1930).

Trans. Roy. Canad. Inst.

Adams, J.

A bibliography of Canadian plant geography to the end of the year 1920. Trans. Roy. Canad. Inst. 17: 103-145. Jl.1929 (Rec'd Ja.1930). no.1.

Trans. Roy. Soc. Canada.

Hutchinson, A.H., Lucas, C. C. & McPhail, M.

Seasonal variations in the chemical and physical properties of the waters of the Strait of Georgia in relation to phytoplankton. Trans. Roy. Soc. Canada. III, 23(V, Biol. Sci.): 177-183. 2 pl. My.1929 (Rec'd Ja.1930) no.2.

Trans. Roy. Soc. Canada (cont.)

McCullagh, D.R., Walton, C.H.A. & White, F.D.

The fluorescent glucosides of Diervilla diervilla and Symphoricarpos occidentalis. Trans. Roy. Soc. Canada. III,23(V, Biol. Sci.): 159-163. My. 1929 (Rec'd 1930) no.2.

Marie-Victorin, F.

Additions aux cypéracées de l'Amerique du nord. Trans. Roy. Soc. Canada. III, 23(V,Biol. Sci.): 253-268. illus., 2 pl. My.1929 (Rec'd Ja. 1930) no.2.

Ormerod, M.J. & White, F.D.

A preliminary pharmacological investigation of extracts of certain western Canadian plants. Trans. Roy. Soc. Canada. III,23(V,Biol. Sci.): 189-194. My.1929 (Rec'd Ja.1930).

Scarth, G.W., Gibbs, R.D., Spier, J.D.

Studies of the cell walls in wood. I-II. Trans. Roy. Soc. Canada. III, 23(V,Biol. Sci.): 269-279, 281-287. 2 pl. My.1929.

I. The structure of the cell wall and the local distribution of the chemical constituents. II. The effect of various solvents upon permeability of red spruce heartwood.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)

Britton, N.L.

Pseudocopaiva Britton & Wilson, gen.nov. Trop. Woods, Yale Univ. Sch. For. 20: 28. D.1, 1929.

P. hymenaefolia (Moric.) Britton & Wilson.

Note on the wood of Pseudocopaiva by S.J. Record, p.28-29.

Burtt Davy, J.

Identification of some timber trees of the Gold Coast. Trop. Woods, Yale Univ. Sch. For. 20: 17-19. D.1, 1929.

Collardet, J.

Bossé (Guarea cedrata). Trop. Woods, Yale Univ. Sch. For. 20: 10-14. D.1, 1929.

Trop. Woods, Yale Univ. Sch. For.(cont.)

Haught, O.

A new Peruvian Capparis. Trop.Woods, Yale Univ. Sch. For. 20: 30-31. D.1,1929.

C. eucalyptifolia.

Record, S.J

Notes on Brazilian woods. Trop.Woods, Yale Univ. Sch. For. 20: 22-23. D.1, 1929.

New use for Paraná pine - "Afamo" (Carapa sp.) - No oil cells in wood of Physocalymma - Identity of the Brazilian tulipwood.

Standley, P. C.

Macbrideina, a new genus of trees of the family Rubiaceae. Trop. Woods, Yale Univ. Sch. For. 20: 24-26. D.1, 1929.

M. peruviana, n.sp.

Standley, P. C.

Two new trees from Honduras and British Honduras Trop.Woods, Yale Univ. Sch. For. 20: 20-21. D.1, 1929.

Celtis hottlei, Drypetes brownii, n.sp.

Note on wood of Celtis hottlei by S.J. Record: p.21-22.

Vigne, C.

Note on Garcinia kola Heckel. Trop. Woods, Yale Univ. Sch. For. 20: 32. D.1, 1929.

Vigne, C. & Record, S.J.

Panda oleosa Pierre. Trop. Woods, Yale Univ. Sch. For. 20: 14-17. D.1, 1929.

Welch, M. B.

Walnut bean (Endiandra palmerstoni). Trop. Woods, Yale Univ. Sch. For. 20: 1-9. D.1, 1929.

Williams, L.

The wood of Caryodendron angustifolium Standley. Trop. Woods, Yale Univ. Sch. For. 20: 26-27. D.1, 1929.

Trudy Detsk. Akklim. Stan. Leningr. Sel.-Khoz. Inst. (Bull. Stat. Acclim, Leningr. Agr. Inst. Detsk. Selo)

Burtsev, J.A.

... A genetical investigation concerning the formation of the bases of tobacco leaf. Trudy Detsk. Akklim. Stan. Leningr. Sel.-Khoz. Inst. (Bull. Stat. Acclim. Leningr. Agr. Inst. (Bull. Stat. Acclim. Leningr. Agr. Inst. Detsk. Selo) 7: 47-93 illus. 1928 (Rec'd Ja. 1930).

Russian with English summary.

Preliminary report.

Davidovich, St.B.

... Contribution to the genetical investigation of inheritance of the number of leaves and other characters in Nicotiana tabacum. Trudy Detsk. Akklim. Stan. Leningr. Sel.-Khoz. Inst.(Bull. Stat. Acclim. Leningr. Agr. Inst. Detsk. Selo) 7: 7-38. 1928 (Rec'd Ja.1930)

Russian with English summary.

Krapivine, V. K.

... A contribution to the significance of photoperiods in Nicotiana tabacum. Trudy Detsk. Akklim. Stan. Leningr. Sel.-Khoz. Inst. (Bull. Stat. Acclim. Leningr. Agr. Inst. Detsk. Selo) 7: 188-198. 1928 (Rec'd Ja.1930)

Russian with English summary.

Krapivine, V.

... A study on certain germinating conditions of Nicotiana seeds. Trudy Detsk. Akklim. Stan. Leningr. Sel.-Khoz. Inst. (Bull. Stat. Acclim. Leningr. Agr. Inst. Detsk. Selo). 7: 181-187. 1928 (Rec'd Ja.1930).

Russian with English summary.

U. S. Dept. Agr. Bull.

Marsh, C. D.

Stock-poisoning plants of the range. U.S. Dept. Agr. Bull. 1245. rev. 74 p. illus., col. plates. 0.1929 (Rec'd Ja.1930).

First issued 1924 and superseded Bull. 545.

U.S. Dept. Agr. Techn. Bull.

Wahlenberg, W. G.

Investigations in weed control by zinc sulphate and other chemicals at the Savenac forest nursery. U. S. Dept. Agr. Techn. Bull. 156 35 p. 7 pl. Ja.1930.

Western Flor.

Walthers, E.

Shrubs and trees in Golden Gate Park. Western Flor. 13(3): 4-6, 11. Ja.16, 1930. no.3.

Wiss. Arch. Landw. Abt. A. Pflanenbau. (Berlin)

Hollrung, M.

Die erkennung der feld-, wiesen- und weideungräser unter berucksichtigung ihrer blütenstände. Wiss. Arch.Landw. Abt. A. Pflanenbau. 2: 563-703. illus. D.30, 1929. no.4.

Zapiski Belarusk. Dziarzh. Akad. Sel'sk. Gaspad. (Ann. Weissruth. Staatl. Akad. Landw. Gorky)

Renard, K. G.

... Zur frage über die formen und die klassifikation von gärtnerischen formen des einjährigen phloxes, Phlox drummondi Hook. Zapiski Belarusk. Dziarzh. Akad. Sel'sk. Gaspad. (Ann. Weissruth. Staatl. Akad. Landw. Gorky) 8: 113-123. illus. 1928 (Rec'd Ja.1930).

White Russian with German summary.

Zeitschr. Pflanzenkr. (Stuttgart)

Hulsenberg, H.

Das auftreten der weissährigkeit bei roggen in Mitteldeutschland in den jahren 1928 und 1929, bewirkt durch Leptosphaeria herpotrichoides de Not. Zeitschr. Pflanzenkr. 40: 11-25. illus. 1930.

Kotte, W.

Der bakterienkrebs der tomate, eine für Deutschland neue pflanzenkrankheit. Zeitschr. Pflanzenkr. 40: 51-56. illus. 1930. no.1/2.

Niethammer, A.

Die dosis tolerata und toxica der beizmittel als eine komponente der physikochemischen struktur des samenkornes. Zeitschr. Pflanzenkr. 40: 44-50. 1930. no.1/2.

Zeitschr. Pflanzenkr. (cont.)

Tubeuf, C.von.

Die mistel auf der ulme. Zeitschr. Pflanzenkr. 40: 7-11. illus. 1930. no.1/2.

Zeitschr. Pilzk. (Leipzig)

Gerstlauer, L.

Ueber Boletus elegans Schum. Zeitschr. Pilzk. 13(n.s.8): 190. D.28, 1929. no.12.

Kallenbach, F.

Eine porenlose form vom hausschwamm. Zeitschr. Pilzk. 13(n.s.8): 182-183. pl.14. D.28, 1929. no.12.

Kollermann, S.

Pilze aus Bayern. III Teil. (cont.). Zeitschr. Pilzk. 13(n.s.8): 177-181. D.28,1929 no.12.

Der Zuchter. (Berlin)

Gassner, G.

Die experimentelle bestimmung der frosthärte von getreidepflanzen. Der Züchter. 1: 257-264. illus. D.1929. no.9.

Wunder, B.

Anfänge der weizenzüchtung in Chile. Der Züchter. 1: 280-289. illus. D.1929. no.9.

Exper. Stat. Publ.

Phipps, I. F.

Inheritance and linkage relations of virescent seedlings in maize. Cornell Agr. Exp. Stat. Mem. 125. 63p. Ag.1929 (Rec'd Ja.1930).

Bonde, R., Folsom, D. & Tobey, E.R.

Potato spraying and dusting experiments 1926 to 1928. Maine Agr. Exp. Stat. Bull.352: 97-140. O.1929(Rec'd Ja.1930).

Young, H. C. & Shoemaker, J.S.

Healthy black raspberry plants. Ohio Agr. Exp. Stat. Bimonth. Bull. 142: 3-7. illus. Ja./F.1930.

Exper. Stat. Publ. (cont.)

Wilson, J.D. & Runnels, H.A.
Alternaria blight of ginseng, preliminary experiments, in the control. Ohio Agr. Exp. Stat. Bimonth. Bull. 142: 11-14. illus. Ja./F.1930.

Willard, C. J.
Additional suggestions on spraying weeds with chlorates. Ohio Agr. Exp. Stat. Biomonth. Bull. 142: 8-11. illus. Ja./F. 1930.

New Books.

Dahl, C. G.
Pomologi... v.1. Stockholm, A. Bonniers förlag, 1929.
I. Applen och päron.

Fischer, E. & Gäumann, E.
Biologie der pflanzenbewohnenden parasitischen pilze. Jena, G. Fischer, 1929.

Krenke, N. P.
Khirurgiia rastenii (travmatologiia) [Wounded plants (traumatology)] Moskva, 1928.
Russian.

Small, J.
Hydrogen-ion concentration in plant cells and tissues. Berlin, Borntraeger, 1929 (Protoplasma monographien. 2. bd.)

Sutton, M.J.
Permanent and temporary pasture... rev. and extended by M.H.F. Sutton in collaboration with J. Percival. 9th ed. London, S. Marshall, 1929.

Tourniéroux, J.A.
L'oléiculture in Tunisie. 2. éd. rev. et augm. Tunis, 1929.
Accidents, ennemis et maladies de L'olivier: p.323-358.

Yamasaki, Y.
Studies on the abscission of the spilelet (Oryza sativa L.) By Yoshito Yamasaki. [n.p., 1928]
Japanese.

Reprints from Journals not yet rec'd.

Savulescu, T.

Considérations systématiques sur les erysiphacées. Reprinted from Ann. Sci. Acad. Haut. Etudes Agron. Bucarest. v.1, Oct.1929. 17 p.

Savulescu, T. & Sandu-Ville, C.

Die erysiphaceen Rumäniens. Reprinted from Ann. Sci. Acad. Haut. Etudes Bucarest. v.1. 82 p. xxiv pl., tab. 1929.

Savulescu, T. & Radulescu, I.

Une nouvelle maladie bacterienne des feuilles du tabac en Roumanie. Reprinted from Trav. Inst. Rech. Agron. Roumanie. Oct.1929. 52 p. illus. xxvii pl.

B. melleum.

Stevens, N. E.

A comparison of average storage temperatures for Early black and Howe cranberries in Massachusetts. Wareham Courier. Ja.24, 1930. p.6.

Translations filed in Library of Bur. of Plant Industry.

Novikov, V.A.

Issledozhaniia nad kholodostoikostiu rastenii II (Investigations on the cold-resistance of plants). Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp. Landw. Südost. Eur. Russl.) 6: 71-100. 1928.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

MAR 3
U. S.

Vol.12, no.4. February 1-15, 1930.

Agr. Gaz. N. S. W. (Sydney)

Anderson, R. H.
Farm forestry V. The native and introduced trees of New South Wales. (cont.) N. S. W. 41: 33-44. illus. Ja.1,1930. no.1.

McCleery, F. L.
Lemon scab and its control. Agr. Gaz. N. S. W. 41: 27-30. illus. Ja.1,1930. no.1.

Agr. Journ. India. (Calcutta)

Narasimham, M.
A note on the pollination of black and green grams in the Godavari district. Agr. Journ. India 24: 397-401. pl.xxxiii-xxxiv. N.1929. no.6.
Phaseolus mungo, P. radiatus.

Agriculture et elevage Congo Belge.

Vanderyst, E.
Quelques plantes ornemantales à propager au Congo. Agriculture et elevage Congo Belge 4: 17-18. illus. Ja.25,1930. no.2.

Amer. For. & For. Life. (Washington, D. C.)

Collingwood, G. H.
First aids in tree surgery. Amer. For. & For. Life 36: 105-108. illus. F.1930. no.2.

Maloy, T. P., and Wilsey, R. B.
X-raying trees. Experiments may open the window to inner tree life. Amer. For. & For. Life 36: 79-82. illus. F.1930. no.2.

Scott, J. C.
Washington's elm. Amer. For. & For. Life 36: 97-98. illus. F.1930. no.2.
At Berkeley Springs, West Virginia.

Amer. Journ. Bot.

Barton, L. V.

Hastening the germination of some coniferous seeds. Amer. Journ. Bot. 17: 88-115. illus. Ja.1930. no.1.

Castetter, E. F.

Species crosses in the genus Cucurbita. Amer. Journ. Bot. 17: 41-57. illus. Ja.1930. no.1.

Davis, W. E.

The development of dormancy in seeds of cocklebur (Xanthium). Amer. Journ. Bot. 17: 77-87. illus. Ja.1930. no.1.

Davis, W. E.

Primary dormancy, after-ripening, and the development of secondary dormancy in embryos of Ambrosia trifida. Amer. Journ. Bot. 17: 58-76. illus. Ja.1930. no.1.

Ocfemia, G. O.

Bunchy-top of abacá or Manila hemp. I- Amer. Journ. Bot. 17: 1-18. pl.i-iv. Ja.1930. no.1.

I. A study of the cause of the disease and its method of transmission.

Reeves, R. G.

Nuclear and cytoplasmic division in the microsporogenesis of alfalfa. Amer. Journ. Bot. 17: 29-40. pl.vi-vii. Ja.1930. no.1.

Sealey, J. Q.

The morphology of Oxymitra androgyna. Amer. Journ. Bot. 17: 20-28. pl.v. Ja.1930. no.1.

Ann. Chim. Appl. (Roma)

Quartaroli, A.

Sul rame come elemento necessario alle piante. Ann. Chim. Appl. 19: 467-519. n.1929. no.11.

Arch. Koffiecult. (Batavia)

Begemann, H.

Over schildluizen van de koffie. Arch. Koffiecult. 3: 113-166. illus. D.1929. no.3.

Natuurlijke vijanden: p.155-158. (Entomegenous fungi)

Arch. Koffiecult. (Batavia) (cont.)

Muller, H. R. A.

Voorloopige mededeeling over een schimmel, geïseleerd uit instervende koffieboomen in Zuid-Sumatra. (Preliminary note on the fungus isolated from diseased coffee-trees in south Sumatra). Arch. Koffiecult. 3: 167-174. 7 pl. on 4. D.1929. no.3.

English summary: p.173.

Rhizoctonia sp.

Arch. Protistenk. (Jena)

Hall, R. P.

Osmiphilic inclusions similar to Golgi apparatus in the flagellates, Chromulina, Chilomonas and Astasia. Arch. Protistenk. 69: 7-22. pl.2-3. Ja.15,1930. no.1.

Pascher, A.

Neue volvocalen (polyblepharidinen-chlamydomonadinen). Arch. Protistenk. 69: 103-146. illus. Ja.15,1930. no.1.

Apiochloris new genus (A. olbiqua); many new species described.

Pringsheim, E. G.

Neue chlamydomonadaceen, welche in reinkultur gewonnen wurden. Arch. Protistenk. 69: 95-102. illus. Ja.15,1930. no.1.

Arch. Inst. Biol. Difesa Agr. São Paulo.

Hoehne, F. C.

Contricuiçöes para o conhecimento da flora orchidologica brasilica. Arch. Inst. Biol. Difesa Agr. São Paulo 2: 5-52. pl.1-10. 1929.

English abstract: p.52.

Rahm, G.

Nematodes parasitas e semiparasitas de diversas plantas culturaes do Brazil. Arch. Inst. Biol. Difesa Agr. São Paulo 2: 67-136. pl.13-23. 1929.

English abstract: p.129.

Ber. Ohara Inst. Landw. Forsch. (Kuraschiki)
Kondo, M.
Ueber die harten samen von Astragulus sinicus L. und Robinia pseudacacia L. Ber. Ohara Inst. Landw. Forsch. 4: 289-293. pl.xxvii. 1929. no.2.

Kondo, M., and Okamura, T.
Untersuchungen der verschiedenen reiskörner geringerer qualität. II. Entstehung der braun gefärbten enthulsten reiskörner "Tschamai". Ber. Ohara Inst. Landw. Forsch. 4: 173-180. pl.xxi. 1929. no.2.

Nisikado, Y. and Matsumoto, H.
A new disease of elm, caused by Gnomonia oharana n. sp. Ber. Ohara Inst. Landw. Forsch. 4: 279-287. pl.xxiv-xxvi. 1929. no.2.

Biull. Otd. Zemled. Gosud. Inst. Opytn. Agron. (Mitt. Abt. Ackerb. Gosud. Inst. Opytn. Agron.) (Leningrad)
Dokukin, M. V.
... Beiträge zur agronomischen studium der moorböden. Biull. Otd. Zemled. Gosud. Inst. Opytn. Agron. (Mitt. Abt. Ackerb. Staatl. Inst. Exp. Agron.) no. 26. 71 p. illus. 1929.
1. Die moore von Nord-Karelien und des Murmanschen bereiches.
Russian with German summary.

Blue Anchor. (Sacramento, Calif.
Hendrickson, A. H.
The essentials of plum pollination. Blue Anchor. 7(2): 8-9, 31-32. illus. F.1930.

Wilson, E. E.
Why do we have fruit-tree diseases? Blue Anchor 7(2):10,33. F.1930.

Bol. R. Soc. Españ. Hist. Nat. (Madrid)
Caballero y Villaldea, S.
Datos para la flora algológica de la provincia de Guatalajara, 3. Bol. R. Soc. Españ. Hist. Nat. 29: 315-324. N.2,1929. no.8.

Brotéria Ser. Bot. (Lisboa)

Costa, J. G.

Carlos Azevedo de Menezes. Brotéria Ser. Bot. 24: 14-17. 1930. no.1.

Luisier, A.

La mousses de l'Archipel de Madère et en général des Iles Atlantiques. Brotéria Ser. Bot. 24: 18-48. illus. 1930. no.1.

Pujiula, J.

Discusión sobre los rayos mitogenéticos de Gurwitsch. Brotéria Ser. Bot. 24: 5-13. illus. 1930. no.1.

Bull. Agence Gén. Colon. France. (Paris)

Heim de Balsac, F., and others.

La graine oléifère et l'huile de "cay-so" (Thea sasanqua [Thunb.] Pierre) (Cont.) Bull. Agence Gén. Colon France 22: 1246-1254. D.1929. no.251.

Bull. Misc. Inform. Kew. (London)

Additions to the Index kewensis: X. Journal of Botany 1924, 1925, supplements. Dr. H. O. Forbes's Malayan plants. Bull. Misc. Inform. Kew 1930: 41-45. 1930. no.1.

Omitted from Supplement VII.

Burkill, I. H.

Cardamoms. Bull. Misc. Inform. Kew 1930: 32-37. 1930. no.1.

Myers, J. G.

Notes on wild cacao in Surinam and in British Guina. Bull. Misc. Inform. Kew 1930: 1-10. pl.i-ii. 1930. no.1.

Smith, C. A.

Nuxia and Lachnopylis. Bull. Misc. Inform. Kew. 1930: 10-32. illus. 1930. no.1.

Bull. Soc. Mycol. France. (Paris)

Barbier, M.

Glanes mycologiques sur le 4e fascicule des Icones selectae fungorum, de MM. Konrad et Maublanc. Bull. Soc. Mycol. France 45: 249-251. D.31,1929. no.3.

Bull. Soc. Mycol. France. (cont.)

Liou, Tchen-Ngo

Note sur quelques urédinées peu communes ou critiques récoltées dans le midi, le centre et l'est de la France. Bull. Soc. Mycol. France 45: 197-215. illus. D.31,1929. no.3.

Malençon, G.

Ustilago abstrusa sp. nov., ustilaginée nouvelle sur Juncus. Bull. Soc. Mycol. France 45: 252-256. illus. D.31,1929. no.3.

Société mycolog que du France.

Atlas, col. pl. xxxii (Russula atrorubens) With its Bull. v.45, no.3. D.31,1929. no.3.

Vandendries, R.

Les relations entre souches étrangères expliquées par les aptitudes sexuelles des individus parthénogéniques chez Coprinus micaceus. Bull. Soc. Mycol. France 45: 216-248. illus. D.31,1929. no.3.

Bull. Univ. Aurore. (Shanghai)

Belval, H.

Les théories de la fonction chlorophylliene et les faits. Bull. Univ. Aurore (Shanghai) 19: 68-83 1929.

La Cellule. (Lierre, Belgium)

Bowen, R. H.

The distribution of the plastidome during mitosis in plerome-cells of Ricinus. La Cellule 39: 121-156. iii pl. 1929. no.1.

Heimlich. L. F.

Microsporogenesis in Cucumis sativus. La Cellule 39: 5-24. iii pl. 1929. no.1.

Robyns, W.

La figure achromatique, sur material frais, dans les divisions somatiques des phanerogames. La Cellule 39: 83-117, pl. 1929. no.1.

Materials: Hyacinthus orientalis, Vicia faba, Allium cepa.

Compt. Rend. Acad. Sci. Paris.

Bridel, M. and Charaux, C.

Recherches sur les variations de coloration des plants au cours de leur desiccation. Sur un nouveau chromogène, l'orobérol, retiré de l'Orobus tuberosus L. Compt. Rend. Acad. Sci. Paris 190: 202-204. Ja. 20, 1930. no.3.

Soyer, B.

Variation de la perméabilité des cellules au cours de la végétation chez une plante ligneuse. Compt. Rend. Acad. Sci. Paris 190: 205-207. Ja.20,1930. no.3.

Oak and beech.

Compt. Rend. Assoc. Intern. Essais Semences. (Copenhagen)

Franck, W. J.

The germination test regarded from a biological point of view. Compt. Rend. Assoc. Intern. Essais Semences 9/10: 1-33. Jl./0.1929(Rec'd F.1930)

Whalen, F. T.

Hardseededness/and longevity in clover seeds. Compt. Rend. Assoc. Intern. Essais Semences 9/10: 34-40. Jl./0.1929(Rec'd F.1930)

Contr. U. S. Nat. Herb. (Washington)

Hitchcock. A. S.

The grasses of Central America. Contr. U. S. Nat. Herb. 24: 570-762. 1930. no.9.

Ichnanthus standleyi n. sp.

Darwiniana. (Buenos Aires)

Hicken, C. M.

Contribución al conocimiento de la bibliografía botánica Argentina (2d) Darwiniana 1: 319-430. Je.1,1929(Rec'd Ja.1930) 7/8

Desert. (Pasadena)

Hoak, C. M.

The lilies of the desert. Desert (Pasadena) 1: 52,66-67,78. illus. S.,O.,N.,1929, no.5,6,7.

Jones, M. E.

Dr. George Englemann. Desert (Pasadena) 1: 117. F.1930. no.10.

Desert. (Pasadena)

Nickerson, P.
Platyopuntia, tuna, nopal, prickly pear, Indian fig. Desert (Pasadena) 1: 70-71. illus. O.1929. no.6.

Saunders, C. F.
Why Joshua tree? Desert (Pasadena) 1: 80. N.1929. no.7.

Walther, E.
Sedum. Desert (Pasadena) 1: 88-89,114-115. illus. D.1929,F.1930. no. 8, 10.

Wegener, H. M.
Dr. Joseph Nelson Rose. Desert (Pasadena) 1: 105. Ja.1930. no.9.

Weinberg, F.
Echinocactus hertichii Weinb. nova specie. Desert (Pasadena) 1: 40-41. illus. Ag.1929. no.4.

Deut. Landw. Presse. (Berlin)

Delille,
Wirksame kornblumenbekämpfung mit hederich-kainit. Deut. Landw. Presse 57: 29-30. illus. Ja.18,1930. no. 3.

Ecology. (Brooklyn, N. Y.)

Harvey, B.
Use of dyes for the localization of transpiration over the leaf surface. Ecology 11: 233-235. illus. Ja.1930. no.1.

Lutz, H. J.
The vegetation of Heart's Content, a virgin forest in northwestern Pennsylvania. Ecology 11: 1-34. illus., pl.1. Ja.1930. no.1.

Nichols, G. E.
Methods in the floristic study of vegetation. Ecology 11: 127-135. Ja.1930. no.1.

Pearson, G. A.
Light and moisture in forestry. Ecology 11: 145-160. illus. Ja.1930. no.1.

Ecology. (cont.)
Steiger, T. L.
Structure of prairie vegetation. Ecology 11: 170-217. illus. Ja.1930. no.1.

Empire For. Journ.
Forbes, Arthur C.
The button grass plains of Tasmania. Empire For. Journ. 8: 268-272. 1929. no.2.

Wilmot, G. A.
Timbers suitable for matchmaking. Empire For. Journ. 8: 263-267. 1929. no.2.

Empire Mark. Bd. [Publ.] (London)
Wardlaw, C. W., and McGuire, L. P.
Panama disease of bananas. Reports on scientific visits to the banana growing countries of the West Indies, Central and South America. Empire Mark. Bd. [Publ.] 20. 97 p. illus. Jl.1929.

Ernähr. Pflanze. (Berlin)
Jacob, A.
Die graufleckigkeit der kartoffeln. Ernähr. Pflanze 26: 64-66. F.1930. no.3.

Faserforsch. (Leipzig)
Braun, K.
Der affenbrotbaum (Adansonia digitata L.) und seine verwendung besonders als faserpflanze in Deutsch-Ostafrika. Faserforsch. 8: 90-115. illus. Ja.15,1930. no.2.

Flora. (Jena)
Dostal, R.
Versuche über massenproportionalität bei der regeneration von Bryophyllum crenatum. Flora 124(n.s.24): 240-300. illus. Ja.1930. no.3.

Komárek, V.
Zur experimentellen beeinflussung der korrelationstätigheit von epigäischen keimblättern. Flora 124(n.s.24): 301-314. Ja.1930. no.3.

Flora. (Jena) (cont.)

Mirskaja, L.

Ergänzungsvorgänge an längsgespaltenen stämmen von Mirabilis jalapa. Flora 124(n.s.24): 315-332. illus. Ja.1930. no.3.

Schwartz, W.

Algenstudien am Golf von Neapel. Flora 124 (n.s.24): 215-239. illus. Ja.1930. no.3.

Flor. Exch. (N. Y.)

Bissland, J. H.

The effect of prolonged drought upon hardy perennials in the nursery. Flor. Exch. 73(6): 37. F.8,1930.

Ellis, E. T.

Scented plants of commercial value. Flor. Exch. 72(6): 43, 72(11): 40, 72(12):44. O.12, N.16,23,1929; 73(2): 64, 73(5): 53, Ja.11, F.1,1930.

Forestry (Gt. Brit.) (London)

Day, W. R.

Environment and disease. Forestry (Gt. Brit.) 3: 94-103. D.1929. no.2.

A discussion on the parasitism of Armillaria mellea.

Forstw. Centralbl. (Berlin)

Fabricius, L.

Die schäden des winterwetters 1928/29 an den fremdländischen holzarten des forstlichen versuchsgartens in grafrath bei München. Forstw. Centralbl. 52: 33-47. Ja.15,1930. no.2.

Fruits & Gard. (Zeeland, Mich.)

Hough, W. S.

Control of spray injury on apples. Fruits & Gard. 28(2): 8-9. F.1930.

Hurt, R. H.

A new development in spray materials. Fruits & Gard. 28(2): 10,22-23. F.1930.

Calcium sulphide.

Gard. Chron. (London)

Boothman, H. S.
Spurless columbines. Gard. Chron. III, 87: 65. illus. Ja.25,1930. no.2248.
Semiaquilegia.

Brown, N. E.
Mesembryanthemum. (cont.) Gard. Chron. III, 87: 71-72. Ja.25,1930. no.2248.

Goutts, J.
Fuchsias. (cont.) Gard. Chron. III, 87: 62-63, 87-88. illus. Ja.25,Feb.1,1930. no.2248-49.

Coutts, J.
Monsonia speciosa. Gard. Chron. III, 87: 85. illus. F.1,1930. no.2249.

Darnell, A. J.
The genus Primula. (cont.) Gard. Chron. III, 87: 64-65,88-89. Ja.25, Feb.1,1930. no.2248-29.

The elm-bark beetle and the Dutch elm disease. Gard. Chron. III, 87: 77. F. 1,1930. no.2249.
Investigations of J. G. Betrem.

Grove, A.
The seminal propagation of lilies. Gard. Chron. III, 87: 86. F.1,1930. no.2249.

Ingwersen, W. E. T.
Plant hunting on the Thessalian Olympus (concl.) Gard. Chron. III, 97: 68-69. illus. Ja.25,1930. no.2248.

Wall, A.
Shingle plants and alpines of New Zealand. Gard. Chron. III, 87: 66. Ja.25,1930. no.2248.

Gard. Illus. (London)

Fisher, F. H.
Reginald Farrer. His cliff garden and his introductions into the rock garden. Gard. Illus. 52: 72-74. illus. F.1,1930. no.2656.

Gartenfl. (Berlin)

Leibsch, G.
Merkwürdige und schone blattorgane XIV. Schildblätter. Gartenfl. 79: 8. Ja.1930.

Gartenfl. (cont.)
Meissner, Carl
Aristolochia gigantea Mart. et Zucc. var. mattogrossensis Hge. et Schm. Gartenfl. 79: 12. Ja. 1930.

Gartenschönheit. (Berlin)
Henning, Adela
Orchideen als zimmerpflanzen. Gartenschönheit 10: 456-460. illus. D.1929. no.12.

Gartenw. (Berlin)
Bunz, W.
Bekämpfung des cinerarien-mehltaues durch vorbeugung. Gartenw. 34: 33. Ja.17,1930. no.3.

Illus. Landw. Zeit. (Berlin)
Fruwirth, Carl
Der kempf mit den ackerunkräutern. Illus. Landw. Zeit. 50: 51. Ja.17, 1930. no.13.

Indian For. (Dehra Dun)
Norris, Dorothy, Bates, H. T., and Rangaswami, M.
A preliminary note on the use of Acacia catechu (khair) as a host alternative with Schleichera trijuga (kusum) for the cultivation of Tachardia lacca (lac.). Indian For. 56: 6-15. pl.2-9. Ja.1930. no.1.

Shebbeare, E. O.
The malatas of northern Bengal. Indian For. 56: 1-5. pl.1. Ja.1930. no.1.
Mallotus, Macaranga.

Informe Estac. Exp. Agr. Soc. Nac. Agr. Lima.
Gray, Ralph H.
La producción de dátiles en el Peru. Informe Estac. Exp. Agr. Soc. Nac. Agr. Lima no.15. 4 pl. Ag.1929(Rec'd F.1930)

Intern. Bull. Plant Prot.
Data and information on damage caused to cultivated crops by the cold of the winter 1928-1929. (cont.) Intern. Bull. Plant Prot. 3: 183-185. D.1929. no. 12.

Intern. Bull. Plant Prot. (cont.)

Staner, P.

Belgian Congo: A new disease of sisal. Intern. Bull. Plant Prot. 3: 179. D.1929. no.12.

Virus disease.

Journ. Agr. Res. (Washington, D. C.)

Garner, W. W., McMurtrey, J. E., Moss, E. G., & Bowling, J.D.

Magnesium and calcium requirements of the tobacco crop. Journ. Agr. Res. 40: 145-168. illus. Jan.15,1930 (Rec'd F.3) no.2.

Hahn, G. G.

A physiological method of distinguishing Cronartium ribicola and C. occidentale in the uredinial stages. Journ. Agr. Res. 40: 105-120. illus. Ja.15,1930 (Rec'd F.3) no.2.

Kiesselbach, T. A.

Field tests with treated seed corn. Journ. Agr. Res. 40: 169-189. Ja.15,1930 (Rec'd F.3) no.2.

Weimer, J. L.

Alfalfa root injuries resulting from freezing. Journ. Agr. Res. 40: 121-143. illus. Ja.15, 1930 (Rec'd F.3) no.2.

Weimer, J. L.

Temperature and soil-moisture relations of Fusarium oxysporum var. medicaginis. Journ. Agr. Res. 40: 97-103. illus. Ja.15,1930(Rec'd F.3) no.2.

Journ. Amer. Chem. Soc.

Gnadinger, C. B., and Corl, C. S.

Studies on pyrethrum flowers. II-III. Journ. Amer. Chem. Soc. 52: 680-684,684-688. F.1930. no.2.

II. The relation between maturity and pyrethrin content. III. The pyrethrin content of different commercial varieties.

Phillips, M.

Che chemistry of lignin. IV. Lignin from oat hulls. Journ. Amer. Chem. Soc. 52: 793-797. F.1930. no.2.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan)

Kosaka, H.

Die beziehungen zwischen den verschiedenen physiologischen erscheinungen der pflanzen und den an verschiedenen vegetationsorganen in erscheinung tretenden farbstoffen. Journ. Dept. Agr. Kyushu Imp. Univ. 2: 207-240. D.25,1929. no.2.

I. Mitteilung. Ueber die beziehungen zwischen der anthozyanbildung und dem wachstum von Abutilon avicennae.

Journ. Helminth. (London)

Goodey, T.

The stem eelworm, Tylenchus dipsaci (Kühn,1858): Observations on its attacks on potatoes and mangolds with a host-list of plants parasitized by it. Journ. Helminth. 7:183-200. 1 pl. D.1929. no.4.

Triffitt, M. J.

On the occurrence and significance of Heterodera schachtii infesting certain weeds. Journ. Helminth. 7:215-222. illus. D.1929. no.4.

Journ. Hered. (Washington)

Coolidge, D. W.

A new rose stock. Journ. Hered. 20:571. illus. D.1929(Rec'd F.1930) no.12.

Darrow, G. M.

Thornless sports of the young dewberry. Journ. Hered. 20:567-569. illus. D.1929(Rec'd F.1930) no.12.

Harlan, H. V., and Martini, M. L.

Earliness in F1 barley hybrids. Journ. Hered. 20:557-560. diagrs. D.1929(Rec'd F.1930) no.12.

Kelly, J. P.

Single and semi-double flowers in phlox. Journ. Hered. 20:449-554. illus. D.1929(Rec'd F.1930) no.12.

Sieglinger, J. B.

Tenuous kafir plants. Journ. Hered. 20:565-566. illus. D.1929(Rec'd F.1930)no.12.

Journ. Indian Bot. Soc. (Madras)

Inamdar, R. S. & Varadpande, K. V.

Studies in the respiration of tropical plants II. A glucose effect on the permeability of cell membranes to sugar molecules... Journ. Indian Bot. Soc. 8:149-200. diagrs. N.1929. no.3.

Mittier, J. H., & Tandon, R. N.

A cultural study of two fungi found in an Indian bill apple. Journ. Indian Bot. Soc. 8:212-218. illus., 1 pl. N.1929. no.3.

A, B. (Sphaeropsis sp.)

Rau, N.S.

Further contributions to the cytology of some crop-plants of south India. Journ. Indian Bot. Soc. 8:201-206. illus. N.1929. no.3.

Singh, T.C.N.

A note on the presence of a sporangium on the indusium of Cheilanthes albo-marginata. Journ. Indian Bot. Soc. 8:207. 1 pl. N.1929. no.3.

Sinha, B. N.

The origin and evolution of the archegonium-a discussion. Journ. Indian Bot. Soc. 8:208-211. N.1929. no.3.

Journ. N. Y. Bot. Gard.

Hollick, A.

The petrified forests of Arizona. Journ. N. Y. Bot. Gard. 31:14-18. Ja.1930. no.361.

Howe, M. A.

Doctor Elmer Drew Merrill, the new director-in-chief. Journ. N. Y. Bot. Gard. 31: 6-10. port. Ja.1930. no.361.

The resignation of Doctor Nathaniel Lord Britton as director-in-chief of the New York Botancial Garden. Journ. N. Y. Bot. Gard. 31:1-6. port. Ja.1930. no.361.

Small, J. K.

The Okeechobee gourd. Journ. N. Y. Bot. Gard. 31:10-14. illus. Ja.1930. no.361.

Pepo okeechobeensis

Journ. Soc. Trop. Agr. Japan (Taiwan)

Matsumoto, T.

Studies on some pathogenic bacteria with special reference to agglutination and complement fixation. Journ. Soc. Trop. Agr. Japan 1:155-170. N.1929. no.2.

Ohno, S.

Ueber den schleim von Machilus thunbergii Sieb. et Zucc. Journ. Soc. Trop. Agr. Japan 1:197-202. N.1929. no.2.

Japanese.

Sakurai, Y.

The field experiments on the sex determination of seeds and young seedlings of papaya fruit. Journ. Soc. Trop. Agr. Japan 1:131-154. illus., 2 pl. N.1929. no.2.

Japanese with English résumé; p.150-154.

Shibuya, T.

On the thickness of aleuron layer in rice kernel. Journ. Soc. Trop. Agr. Japan 1:192-196. N.1929. no.2.

Japanese.

Journ. Washington Acad. Sci.

Wherry, E. T.

Plants of the Applachian shale-barrens. Journ. Washington Acad. Sci. 20:43-52. map. F.4,1930 no.3.

Kranke Pflanze (Dresden)

Esmarch, F.

Rauchschäden an landwirtschaftlichen kulturpflanzen. (cont.) Kranke Pflanze 7:5-8. Ja.1930. no.1.

K. Landtbr. Akad. o. Tidskr. (Stockholm)

Odén, S.

Växtodling i elektriskt ljus. K. Landtbr. Akad. Handl. o. Tidskr. 68: 899-1057. illus. 1929. no.7.

Lietuv. Univ. Mat. Gamt. Fakult. Darb. (Mém. Fac. Sci. Univ. Lithuanie)
(Kaunas)

Regel, K.

Kolos pusiausalio augalinė danga (Die pfanzendecke der Halbinsel Kola) III. Lapponia tulomensis und Lapponia murmanica. Lietuv. Univ. Mat. Gamt. Fakult. Darb. (Mem. Fac. Sci. Univ. Lithuanie) 4 (1927/28): 22-206. 3 pl., map. 1928(Rec'd D.1929)

Magyar Bot. Lap. (Budapest)

Cholnoky, B.
Adnotationes criticae ad floram bacillariearum Hungariae IV. Floristisch-ökologische bacillarien untersuchungen in den südlichen teilen der ungarischen tiefebene (Alfold). Magyar Bot. Lap. 28:100-155. 1930.

Gáyark, G.
Batographiai jegyzetek. I. (Batographische notizen. I.) Magyar Bot. Lap. 28:158-162. 1930.

Gyelnik, V.
E. A. Vainio. Magyar Bot. Lap. 28:176-178. 1930.

Gyelnik, V.
Lichenologiai közlemények 8-19. (Lichenologische mitteilungen 8-19. Magyar Bot. Lap. 28:57-65. 1930.

Gyelnik, V.
A Parmelia verruculifera Nyl. álakköre. (Les formes du Parmelia verruculifera Nyl.) Magyar Bot. Lap. 28:173-175. illus. 1930.

Hollós, L.
Új gombák Szekszárd vidékéröl. (Fungi novi regionis Szakszárdiensis. Magyar Bot. Lap. 28:46-52. 1930.

Huljak, J.
A Daphne cnerorum L. és néhány érdekesebb növény elöfordulása a Bükkhegységben. Magyar Bot. Lap. 28:34-36. 1930.

Kümmerle, J. B.
A Centaurea alpina L. felfedezése Horvátországban. (Über die entdeckung der Centaurea alpina L. in Kroatien.) Magyar Bot. Lap. 28:155-158. 1930.

Lengyel, G., and Zahn, K. H.
Beiträge zur kenntnis der hieracien Ungarns und der Balkanländer VIII. Magyar Bot. Lap. 28:1-34. 1930.

Murr, J.
Cirsium seegeriorum mh. (C. carniolicum Scop. x arvense Scop.) Magyar Bot. Lap. 28:65-67. 1930.

Magyar Bot. Lap. (cont.)

Murr, J.
Luzulae hybridae novae. Magyar Bot. Lap. 28:67-68. 1930.
L. multiflora var. alpestris x L. spicata; L. spadicaa x L. sieberi.

Pénzes, A.
Adatok Budapest adventiv flórájához. (Beiträge zur kenntnis der adventiv-flora von Budapest.) Magyar Bot. Lap. 28: 176. 1930.

Szatala, Ö.
Adatok Magyarország zúzmóflórájának ismeretéhez. IV. (Beiträge zur kenntnis der flechtenflora Ungarns IV.) Magyar Bot. Lap. 28: 68-81. 1930.

Szatala, Ö.
Beiträge zur flechtenflora von Bulgarien I. Magyar Bot. Lap. 28:82-99. 1930.

Szatala, Ö.
Enumeratio lichenum a cl. barone G. de Andreanszky in Africa boreale lectorum. Magyar Bot. Lap. 28: 162-166. 1930.

Szepesfalvi, J.
Megjegyzések a Chilosyphus-nemzetség alakjairól s azok hazai elterjédéséröl. (Bemerkung über die formen der gattung Chiloscyphus und über ihre verbreitung in Ungarn.) Magyar Bot. Lap. 28: 36-46. 1930.

Wagner, J.
Hársfatanulmányok (Lindenstudien) IV. Magyar Bot. Lap. 28:166-173. 1930.

Matières Grass. (Paris)

Pieraerts, J., Adriaens, J. and Meulenberg, J.
Contribution à l'étude chimique d'une sapotacée arborescente du Congo Belge. Une nouvelle source d'obtention facile rapide d'acide stearique pur. Matières Grass 22:8726-8728. illus. Ja.15,1930 no.261.
Dumonia africana.

Pieraerts, J. and Meulenberg, J.
contribution à l'étude des sapotacées oléifères II. L'Autranella congolensis. Matières Grass 22: 8728-8730. Ja.15,1930. no.261.

Meded. Rijks, Herb. Leiden

Henrard, J. Th

A monograph of the genus Aristida. Meded. Rijks Herb. Leiden no.58, pt.1. 153 p. front. lx pl. O.1,1929(Rec'd F.1930)

Suringar, J. V.

The American code, the Vienna code and the resolutions of the Imperial botanical conference in London. Will agreement be possible in 1930? Meded. Rijks Herb. Leiden no. 57. 41 p. 1929.

Mem. Dept. Agr. India Bot. Ser.

Khan, A.R.

Studies in Indian oil seeds. no.3 Carthamus tinctorius Linn. The types of safflower. Mem. Dept. Agr. India Bot. Ser. 18:81-87. 2 pl. D.1929. no.3.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Beck, A.

"Tomatenkrebs" und blattfleckenkrankheit der tomaten. Möller's Deut. Gärtn.-Zeit. 45:28-29. Ja.21,1930. no.3.

Nat. Hist. (New York)

Kephart, L.W.

The grass trails of east Africa. Nat. Hist. 30:48-59. illus. Ja./F.1930. no.1.

Nature (London)

Bewley, W.F., and Bolas, B. J.

Aucuba or yellow mosaic of the tomato plant: reaction of infected juice. Nature 125: 130. Ja.25,1930. no.3134.

Gairdner, A. E., and Darlington, C. D.

Structural variation in the chromosomes of Campanula persicifolia. Nature 125:87-89 illus. Ja.18,1930. no.3142

Holttum, R. E.

Periodicity of leaf-fall in Singapore. Nature 125: 129. Ja.25, 1930. no.3143

New Zeal. Journ. Sci. & Techn. (Wellington, N. Z.)

Allan, H. H.

A list of supposed wild hybrids among the naturalized plants of New Zealand. New Zeal. Journ. Sci. & Techn. 11:255-261. illus. D.1929. no.4.

New Zeal, Journ. Sci. & Techn. (cont.)

Evans, W.P.

The formation of fusain from a comparatively recent angiosperm. New Zeal. Journ. Sci. & Techn. 11:262-269 illus. D.1929. no.4.

Perfum. & Essent. Oil Rec. (London)

The "shab" disease of lavender. Perfum. & Essent. Oil Rec. 21:7-8. illus. Ja.21, 1930.

Results of investigations of Mr. C.R.Metcalfe.

Philipp. Agr. (Los Baños)

Mercado, T., and Capinpin, J. M.

A sexual inheritance of twin character of banana bunches. Philipp. Agr. 18:465-474. illus. Ja.1930. no.8.

Phytopath. (Lancaster, Pa.)

Abbott, E. V.

A new host of sugar-cane mosaic. Phytopath. 20: 109. Ja.1930. no.1.

Gynerium sagitatum.

American phytopathological society.

Abstracts of papers presented at the 21st annual meeting, Des Moines and Ames, Iowa, Dec.28,1929 to Jan.1,1930. Phytopath. 20:111-145. Ja.1930. no.1.

Burkholder, W.H.

The genus Phytomonas. Phytopath. 20: 1-23. Ja. 1930. no.1.

Davis, W.H.

Two physiologic forms of Ustilago striaeformis (Westd.) Niessl. Phytopath.20: 65-74. Ja.1930. no.1.

Hoggan, I. A.

Transmission of cucumber mosaic to spinach. Phytopath. 20:103-105. illus. Ja.1930. no.1.

Howe, T. D.

A bacterium associated with bundle blackening in the balsam, Impatiens balsamea. Phytopath. 20: 108-109. Ja.1930. no.1.

Klotz, L. J.

Peteca and red blotch of lemons. Phytopath. 20: 109-110. Ja.1930. no.1.

Phytopath, (cont.)

Lambert, E.B.
Studies on the relation of temperature to the growth, parasitism, thermal death points, and control of Mycogone perniciosa. Phytopath. 20: 75-83 illus. Ja.1930. no.1.

Mackie, W. W.
Sclerospora macrocarpa in barley. Phytopath. 20: 107. Ja.1930. no.1.

Mogendorff, N.
"Fern-leaf" of tomato. Phytopath. 20: 25-46. illus. Ja.1930. no.1.
Virus disease, carried by peach aphis (Myzus persicae)

Schultz, E.S., Gratz, L. O. & Reiner Bonde.
Effect of seed-potato treatment on yield and Rhizoctonia in northeastern Maine from 1925 to 1928. Phytopath. 20: 47-46. Ja.1930. no.1.

Storey, H. H., and McClean, A.P,D.
A note upon the conidial Sclerospora of maize in South Africa. Phytopath. 20: 107-108. Ja. 1930. no.1.

Swezy, O.
Factors influencing the minimum incubation periods of curly top in the beet leaf hopper. Phytopath. 20: 93-100. illus. Ja.1930. no.1.

White, R. P.
Pathogenicity of Pestalotia spp. on rhododendron. Phytopath. 20: 85-91. illus. Ja.1930. no.1.

Proc. Iowa Acad. Sci. (Des Moines)

Aikman, J. M.
Competition studies in the ecotone between prairie and woodland. Proc. Iowa Acad. Sci. 35(1928): 99-103. [1930?]

Blagg, B.
Additional notes on Iowa mosses. Proc. Iowa Acad. Sci. 35(1928): 113-116. [1930?]

Castetter, E. F.
Studies on the germination of pumpkin pollen. Proc. Iowa Acad. Sci. 35(1928): 199. [1930?]

Proc. Iowa. Acad. Sci. (cont.)

Conard, H. S., and Clarke, C.
The pubescence of Lithospermum canescens and L. gmelini. Proc. Iowa Acad. Sci. 35(1928):111-112. illus. [1930?]

Cratty, R.I.
Iowa plant notes, III. Proc. Iowa Acad. Sci. 35(1928): 105-109. [1930?]

Lantz, C. W.
Temperature and catalase activity in germinating corn. Proc. Iowa Acad. Sci. 35(1928): 147-149. [1930?]

Lindstrom, E. W.
Inheritance of shape in tomato fruits. Proc. Iowa Acad. Sci. 35(1928):199-200. [1930?]

Loehwing, W.F.
Say hydrion concentration as a factor in plant metabolism. Proc. Iowa Acad. Sci. 35(1928):135-139. [1930?]

Martin, G.W.
Notes on Iowa fungi, 1927. Proc. Iowa Acad. Sci. 35(1928):131-133. illus. [1930?]
Merulius americanus as a timber rot. - Collybia myriadophylla - Tricholoma panaeolum. - Longevity of fruiting bodies of Pleurotus ostreatus.

Marts, R. O.
Color photography - methods and applications in biology. Proc. Iowa Acad. Sci. 35(1928):141-142. [1930?]

Pammel, L. H.
Dr. Bruce Fink. Proc. Iowa Acad. Sci. 35(1928): 33-39. port. [1930?]

Pammel, L.H. & King, C.M.
Further studies of the germination and juvenile forms of some trees and woody shrubs, 1927. Proc. Iowa Acad. Sci. 35(1928):169-197. illus. [1930?]

Pammel, L.H., King, C. M. & Hayden, A.
Marsh cress, its geography and ecology in Iowa. Proc. Iowa Acad. Sci. 35(1928):157-167. illus. [1930?]
Radicula palustris

Parish, J. A.
The Pyrenomycetes or black fungi of Iowa. Proc, Iowa Acad. Sci. 35(1928):151-155. [1930?]

Proc. Iowa Acad. Sci. (cont.)

Wylie, R. B.
The cicatrization of wounded citrus leaves. Proc. Iowa Acad. Sci. 35(1928): 117-123.incl. 2 pl. [1930?]
Citrus limonia

Wylie, R. B.
Dr. Clifford H. Farr. Proc. Iowa Acad. Sci. 35(1928):42. [1930?]

Proc. Univ. Durham Phil. Soc.

Absalom, R. G.
The lower carboniferous coal-ball flora of Haltwhistle, Northumberland. Proc. Univ. Durham. Phil. Soc. 8: 73-87. pl.i-ii. Jl.1929(Rec'd Ja.1930)

Blackburn, K. B.
A new rose from Northumberland. Proc. Univ. Durham Phil. Soc. 8: 101-103. pl. Jl.1929 (Rec'd Ja.1930)
R. berniciensis.

Progr. Agr. & Vitic. (Montpellier)

Armet , H.
Causes de l'action fongicide du soufre et moyens de l'accroitre. Progr. Agr. & Vitic. 47: 94-97. Ja.26,1930. no.4.

Bènes, G.
Le court-noué. Une mise au point. Progr. Agr. & Vitic. 47: 91-94. Ja.26,1930. no.4.

Ravaz, L., and Branas, M.
Sur un cas spécial de court-noué. Progr. Agr. & Vitic. 47: 53-62. illus. Ja.19,1930. no.3.

Publ. Field Mus. Nat. Hist. Bot. Ser.

Standley, P. C.
The Rubiaceae of Colombia. Publ. Field Mus. Nat. Hist. 270, Bot. Ser. 7: 1-175. Ja.22,1930. no.1.

Repert. Spec. Nov. Beih. (Dahlem)

Hayek, A., and Markgraf, F.
Prodromus florae peninsulae Balcanicae, v.2, lfg.3. N. 15,1929 (Repert. Spec. Nov. Fedde Beih.,XXX,2)

Rep. Kansas State Bd. Agr.

Johnston, C. O.

Diseases of corn in Kansas. Rep. Kansas State Bd. Agr. 48(191): 174-191. illus. S. 1929.

Res. Stud. State Coll. Washington (Pullman)

Hardin, E.

The flowering and fruiting habits of Lomatium. Res. Stud. State Coll. Washington 1: 15-27. illus. pl. 1. Je.28,1929(Rec'd F.1930) no.1.

Palmer, R. C.

Teratologic forms of Trillium ovatum and Trillium petiolatum. Res. Stud. State Coll. Washington. 1: 76-83. illus. Ag.19, 1929 (Rec'd Ja. 1930) no.2.

St. John, H., and Warren, F. A.

Eriogonum compositum and its variations. Res. Stud. State Coll. Washigton 1: 84-89. map. Ag. 19,1929 (Rec'd Ja.1930) no.2.

E. compositum var. pilicaulis, E. compositum var. lancifolium, n. var.

St. John, H.

New and noteworthy northwestern plants II-III. Res. Stud. State Coll. Washington 1: 59-64,90-112. illus., pl.5. Je.28, Ag.19,1929. no.1-2. (Rec'd Ja. & F.1930)

Rev. Bot. Appl. (Paris)

Chevalier, A.

Le cotonnier indigène du Soudan est-il améliorable? Rev. Bot. Appl. 9: 783-784. D.1929. no.100.

Gossypium punctatum.

François, E.

L'eucalyptus à Madagascar. Rev. Bot. Appl. 9: 749-752. D.1929.

Hédin, L.

Une plante oléagineuse peu connue de l'Ouest africain: le Tetracarpidium conophorum. Rev. Bot. Appl. 9: 752-753. D.1929. no.100.

Rev. Bot. Appl. (cont.)

Pottier, J.
La génétique du riz et les travaux d'Ikeno (fin)
Rev. Bot. Appl. 9: 788-794. D.1929. no.100.

Rollot, Ch.
La culture de l'ilang-ilang à Madagascar (fin)
Rev. Bot. Appl. 9: 754-764. D.1929. no.100.

Russell, W.
La résistance des blés aux gelées. Rev. Bot. Appl. 9: 781-783. D.1929. no.100.

Rev. Gén. Bot. (Paris)

Chalaud, G.
Le cycle évolutif de Fossombronia pusilla Dum.
Rev. Gén. Bot. 42: 31-45. illus. Ja.1930. no.493.

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques. Rev. Gén. Bot. 42: 46-63. 1930. no.493.

Ulrich, R.
Morphologie et anatomie de l'hybride Galium verum x G. mollugo comparées a celles des parents. Rev. Gén. Bot. 42: 1-30. illus. Ja.1930. no.493.

Rev. Hort. (Paris)

Guillaumin, A.
Les cactées, principales espèces (cont.) Rev. Hort. 102: 10-12. Ja.16,1930. no.1.

Rev. Vitic. (Paris)

Guittonneau, G.
L'acide phosphorique et les maladies de carence des plantes arbustives. Rev. Vitic. 71: 61-68. Ja.23,1930. no.1856.
Experiments with plum.

Rhodora (Boston)

Farwell, O. A.
What is Scirpus glaucescens Willd.? Rhodora 32: 30-31. F.1930. no.374.

Fernald, M. L.
Willdenow's type of Scirpus glaucescens. Rhodora 32: 31-32. F.1930. no.374.

Rhodora (cont.)

Henderson, L. F.
Some new species and varieties from Oregon. Rhodora 32: 20-28. F.1930. no.374.

Jacot, A.P.
A new Lepidium from orth China. Rhodora 32: 28-30. F.1930. no.374.
L. chitungense.

Knowlton, C. H.
Butomus umbellatus at Lake Champlain. Rhodora 32: 18-19. F.1930. no.374.

Muenscher, W. C.
Butomus umbellatus in the Lake Champlain basin. Rhodora 32: 19-20. F.1930. no.374.

Pease, A. S.
Botanical notes from northern Vermont. Rhodora 32: 17-18. F.1930. no.374.

Standley, P. C.
New forms and varieties of Indiana plants. Rhodora 32: 32-34. F.1930. no.374.

Ward, H. A.
Some rare introductions near Harrisburg, Pennsylvania. Rhodora 32: 28. F.1930. no.374.
Thlaspi perfoliatum, Cynanchum nigrum.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)

Miczyński, K. jun.
O dziedziczeniu sie niektórych cech u pszenicy w krzyzówkach Triticum pyramidale x T. durum i T. vulgare x T. sphaerococcum (On the inheritance of some characters in wheat crosses of Triticum pyramidale x T. durum and T. vulgare x T. Sphaerococcum) Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 23: 27-62. illus. 1930. no.1.
Polish with English summary.

Sächsisch. Gärtnerbl. (Dresden)

Schwartz, G.
Die bekämpfung der wurzeläschen im gewächshaus und freiland. Sächsisch. Gärtnerbl. 10: 33-41. illus. Ja.15,1930. no.2.

Sbornik Československ. Akad. Zeměd. (Praha)

Vukolov, V. A.

Srovnávaci anatomie čepelů československých druhů lipnic. (Comparative anatomy of the leaf-blade of some Poa sp. grown in Czechoslovakia.) Sbornik Českoslov. Akad. Zeměd. 4: 417-452. illus. 1929. no.4.

English summary: p.447-449.

Science (Lancaster, P.)

American associations for the advancement of science, Sect.G(Botanical sciences) and related organizations. Reports from Sam F. Trelease, Arthur J. Eames, A. S. Foster, F. E. Denny, G. W. Martin, W. A. Whitney and W. H. Horr. Science 71: 156-159. F.7,1930. no.1832.

Scient. Agr. (Ottawa)

Burke, T. W. L.

Studies of water absorption and germination with varieties of Triticum vulgare and T. durum. Scient. Agr. 10: 369-388. diagrs. F.1930. no.6.

Goulden, C. H., and Greaney, F. J.

The relation between stem rust infection and the yield of wheat. Scient. Agr. 10: 405-410. illus. F.1930. no.6.

Neatby, K. W., and Goulden, C. H.

The inheritance of resistance to Puccinia graminis tritici in crosses between varieties of Triticum vulgare. II Scient. Agr. 10: 389-404. illus. F.1930. no.6.

Scient. Amer. (New York)

Johnston, E. S.

The plant's whimsical appetite. Some newly discovered requirements for plant growth indicate that plants are highly sensitive to certain chemicals. Scient. Amer. 142: 226-227. illus. Mr. 1930. (E) no.3.

South Flor. (Fort Worth, Texas)

Ruth, A.

Some of our native grasses. II. South. Flor. 28(18): 15-17. Ja.31,1930.

Svensk. Bot. Tidskr.

Ekman, E.

Studies in the genus Draba. Svensk Bot. Tidskr. 23: 476-495. illus. 1929. no.4.

Gröntved, J.

Die flora der Insel Runö. Svensk. Bot. Tidskr. 23: 399-460. illus. 1929. no.4.

Hultén, E.

The provenience of Artemisia verlotorum Lamotte. Svensk Bot. Tidskr. 23: 496-505. illus. 1929. no.4.

Skarman, J. A. O.

Om vegetationen på upplagshörgarna av bránd alunskiffer å Kinnekulle. Svensk. Bot. Tidskr. 23: 461-475. illus. 1929. no.4.

K. Svenska Vetenskapsakad. Arsbok

Hamberg, A.

Kanarieöarna. K. Svenska Vetensk.-akad. Arsbok 1929: 353-420. illus., 2 maps. 1929.

Hesselman, H.

Carl Axel Magnus Lindman. K. Svenska Vetensk.-akad. Årsbok 1929: 337-352. port. 1929.

Utgivna skrifter: p.346-352.

Tijdschr. Plantenz. (Amsterdam)

Groene, F. de

Verschil in toename in het percentage mozaikziekte bij eigenheimers, verbouwd op zware klei en lichte zavelgrond. Tijdschr. Plantenz. 36: 13-15. illus. Ja.1930. no.1.

Wellensiek, S. J.

Oriënteerend onderzoek omtrent physiologiese specialisatie van Puccinia triticina Eriks. in Nederland. (Orientation about physiologic specialization of Puccinia triticina Eriks. in the Netherlands.) Tijdschr. Plantenz. 36: 1-10. pl.i-iv. Ja.1930. no.1.

English summary: p.9-10.

Trans. San Diego Soc. Nat. Hist.

Hanna, G. D.

Fossil diatoms dredged from Bering Sea. Trans. San Diego Soc. Nat. Hist. 5: 289-296. pl.34. D.31,1929. no.20.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (Leningrad)

Grossheim, A. A., and Makashvili, A. K.

...On the origin, diversity and character of the weeds in the tea plantations of western Georgia and Adjaristan. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(4): 43-96. 1929.

Russian with English summary (concerned with eradication only)

Hammerman, A.

...Materials for the study of the narcotics in southern countries. Yagé, narcotic of the Indians in the Amazon region. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(4): 165-208. illus. 1929.

Russian with English summary.

Banisteria caapi.

Ivanov, S. L.

...The oils of tropical plants, their nature and their technical utilization. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed. 22(4): 97-164. 1929.

Russian with English summary.

Nikolaev, V. F.

...Australian acacias and an experiment in their acclimatization. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(4): 277-404. illus. 1929.

Russian with English summary.

Nikolaev, V. F.

...(Parthenium argentatum Gray) The morphology and classification of the guayule plant. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(4): 209-276. illus. 1929.

Russian with English summary.

Describes a number of varieties.

Trudy Prikl. Bot., Gen. i Selek. (cont.)

Vorontsov, V.

...Tan exotics of the moist subtropics. Australian acacias. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(4): 3-42. 1929.

Russian with English summary.

Die Umschau (Frankfurt)

Frickhinger, H. W.

Eine neue rübenkrankheit. Die Umschau 34: 72-74. illus. Ja.25,1930. no.4.

A virus disease.

U.S. Dept. Agr. Plant Dis. Rep.

Allen, J. M.

Citations from Plant disease reporter. U. S. Dept. Agr. Plant Dis. Rep. 14: 16-19. F.1,1930. no.3.

Fruit spot (Cylindrosporium pomi) on apple in New Jersey, 1929. U. S. Dept. Agr. Plant Dis. Rep. 14: 23-24. illus.(map) F.1,1930. no.3.

Rough bark (Phomopsis mali) on apple in Oregon (1929) U. S. Dept. Agr. Plant Dis. Rep. 14: 22. F.1,1930. no.3.

Shapovalov, M., and Rudolph, B. A.

Verticillium hadromycosis (wilt) of cotton in California. U. S. Dept. Agr. Plant Dis. Rep. 14: 9-10. Ja.15,1930. no.2.

Waite, M. B.

Winter injury to peaches in midwest. U. S. Dept. Agr. Plant Dis. Rep. 14: 24-25. F.1,1930. no.3.

U. S. Dept. Agr. Techn. Bull.

Meinecke, E.

Quaking aspen: a study in applied forest pathology. U. S. Dept. Agr. Techn. Bull. 155. 33 p. 2 pl. D.1929 (Rec'd F.1930)

Watson's Micros. Rec. (London)

Cook, W. R. I.

Current microscopy: Some primitive fungal root and stem parasites. Watson's Micros. Rec. 19: 3-8 illus. Ja.1930.

Cook, W. R. I.

A simple method of staining fungi in fine roots. Watson's Micros. Rec. 19: 9. illus. Ja.1930.

Western Flor.

Griffiths, D.

Fighting the frost. Some pertinent observations on how and when to combat an unwelcome guest. Western Flor. 13(6): 3-4. illus. F.6,1930.

Observations on the reaction of lily stocks to cold.

Zeitschr. Forst- u. Jagdw. (Berlin)

Liese, J.

Neue wege zur bekämpfung des kienzopfs (Peridermium pini). Zeitschr. Forst- u. Jagdw. 62: 47-48. Ja.1930. no.1.

Vorlaufige mitteliung.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Kappert, H.

Ueber den rezessivenausfall in den kreuzungen gewisser blau- und weissblühender leinsippen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 53: 38-66. illus. 1930. no.1.

Kuckuck, H.

Die entstehung von wintertypen nach kreuzung von sommertypen bei gerste. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 53: 1-25. illus. 1930. no.1.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil (Leipzig)

Schumann, K.

Die phosphorsaüre- und kaliaufnahme verschiedener pflanzenarten aus lufttrockenen und erhitzten böden mit verschiedener azidität, untersucht nach der keimpflanzen-methode von Neubauer. Zeitschr. Pflanzenernahr. Düng. u. Bodenk. A. Wiss. Teil 15: 65-94. 1929. no.2/3.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie)

Aleksandrov, V. G., and Aleksandrov, O. G.

....Ueber stengelgefässbundel der sonnenblume als object der experimentalanatomie. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 347-376. illus. 1929. no.3/4.

Russian with German summary.

Grossheim, A. A.

...Some notes concerning the steppe-associations in central Transcaucasus. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 271-310. 1929. no.3/4.

Russian with English summary.

Kotov, M. I.

...Zur vegetation des nördlichen teils der Arabat landzunge. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 343-345. 1929. no.3/4.

Russian with German summary.

Nogtev, V. P.

...The two schools of meadow-knowledge and the methodological basis of the investigation of meadows. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 311-328. 1929. no.3/4.

Russian with English summary.

Rozanova, M.

...Experimentell-genetische methode in der systematik. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 245-269. 1929. no.3/4.

Russian with German summary.

Rozanova, M.

...Von den niedersten taxonomischen einheiten. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 13: 329-342. 1929 no.3/4.

Russian with German summary.

Der Züchter (Berlin)

Bleier, H.

Cytologie von art- und gattungsbastarden des getreides. Der Züchter 2: 12-22. illus. Ja.1930. no.1.

Der Züchter (cont.)

Kuhn, E.
Die geschlechtsformen bei Fragaria und ihre vererbung. Der Züchter 2: 2-11. illus. Ja. 1930. no.1.

Saulescu, N.
Pflanzenzüchtung in Rumänien. Der Züchter 2: 22-30. illus. Ja.1930. no.1.

Sengbusch, R. v
Bitterstoffarme lupinen. Der Züchter 2: 1-2. Ja.1930. no.1.
Vorlaufige mitteilung.

Exper. Stat. Publ.

Arkansas agricultural experiment station.
Plant pathology. In its Ann. Rep. 41 (1928/29 Bull.246): 63-67. D.1929.
V. H. Young pathologist.

Chung, H. L., and Ripperton, J. C.
Utilization and composition of oriental vegetables in Hawaii. Hawaii Agr. Exp. Stat. Bull. 60. 64 p. illus. D.1929 (Rec'd F.1930)

Anderson, H. W.
Experiments with blister canker of apple trees. Illinois Agr. Exp. Stat. Bull. no.340. 90 p. illus. Ja.1930.

Goss, R. W., and Werner, H. O.
Seed potato treatment tests for control of scab and Rhizoctonia. Nebraska Agr. Exp. Stat. Res. Bull. 44. 42 p. D.1929 (Rec'd F.1930)

Werner, H. O.
Effect of cultural methods and maturity upon seed value of eastern Nebraska potatoes. Nebraska Agr. Exp. Stat. Res. Bull. 45. 45 p. D.1929. (Rec'd F. 1930)

State Publications.

Oak root fungus on nursery stock. Month. Bull. Dept. Agr. Calif. 19: 46. Ja.1930 no.1.

Talbot. M. W., and Smith, L. S.
The goatgrass situation in California. Month. Bull. Dept. Agr. Calif. 19: 40-46. illus. Ja. 1930. no.1.

New Books.

Ascherson, P. & Graebner, P.
Synopsis der Mittelerropäischen flora... nach Ascherson's tode fortgesetzt von P. Graebner sen. und P. Graebner fil. lfg. 113/114. (v.12, Compositae (Hieracium bearb. von H. Zahn) Leipzig, Borntraeger, N.1929.

Backer, C.A.
Ondkruidflora der Javasche suikerrietgronden afl.3(atlas) pl.65-96. [1929?] (Handboek ten dienste van de suikerriet-cultuure... dec.17)

Backer, C.A.
The problem of Krakatoa as seen by a botanist. Weltevreden, Java, Visser & Co.; The Hague Nijhoff, [1929]

Baudyš, Eduard
O mořeni osiva tilantinem. Brně, 1928
Czechoslovakian.

Dickerson, R.E.
Distribiton of life in the Philippines. Manila, 1928.
In collaboration with E.D. Merrill, R.C. McGregor, W. Schultze, E.H. Taylor, & A.W.C.T. Herre.
Characteristic habitats: p. 123-129 - Flora: p.130-167. Review of origins of the biologic provinces of the Philippines: p. 281-303.

Maiden, J.H.
A critical revision of the genus Eucalyptus. pt. LXXII(v.8,pt.2) Sydney, 1929.

Migula, W.
Kryptogamen flora... v.12 Die flechten, lfg. 45/46, Berlin, H.Bermühler, 1930?

Die pflanzenareale 2. reihe, h.6.(Mattfeld,J. Minuartia) map 51-61. 1929.

Prjanischinikow, D.N.
Spezieller pflanzenbau... nach der 7. Russischen aufl. hrsg. Dr. Ernst Tamm. Berlin, J. Springer, 1930.

New books. (cont.)

Raum, Hans
Die wiesenunkräuter und ihre bekämpfung... 2. verm. und ergänzte aufl. Freising-Munchen, F.P. Datterer & Cie., [1929]

Stapf, O.
Iconom botanicarum index londinensis... v.2. (Campanula - Disphania) Oxford, Clarendon press, 1930.

Uphof, J.C.Th
Vegetationsbilder aus den östlichen staaten Nordamerikas. In Karsten, G. Vegetationsbilder. 20. reihe, h.5/6. pl.25-36. 1929.
Northeastern U. S.

Warming, E.
Handbuch der systematischen botanik... Deutsche ausgabe. 4. aufl. von Dr. Martin Mobius. Berlin, Borntraeger, 1929.

Wehmer, C.
Die pflanzenstoffe ... 2., neubearb. und verm. aufl. v.1. Jena, G. Fischer, 1929.

c

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 12, no. 5. Feb. 17-28, 1930.

Actes Cons. Intern. Sci. Agr.

Marchal, P.

Contrôle official préventif de la composition chimique et de l'efficacité reele des produits nouveaux ou peu connus, employes comme fongicides, insecticides, pour la destruction des mauvaises herbes, etc. ainsi que de leur facilité d'application dans la pratique. Actes Cons. Intern. Sci. Agr. 1927, 2: 521-527. 1928.

Wagner, C.Ph.

Les variétés de pommes à cultiver avec succes jusqu'à des altitudes de 100 à 1200 m. Actes Cons. Intern. Sci. Agr. 1927, 2: 32-40. 1928.

Wahl, B.

Examen du projet de Convention internationale pour la protection des végetaux modifiant l'Acte final de la Conference internationale de Phytopathologie du 4 mars 1914, rédigé par la Commission internationale des experts pour la protection des végétaux (avril 1926), ainsi que des modifications audit Acte final approuvees par la Conference préliminare de la protection des plantes, reunie a Buenos-Ayres (juin 1926). Actas Cons. Intern. Sci. Agr. 1927, 2: 509-520. 1928.

Amer. Fruit Grow. Mag. (Chicago)

McClintock, J. A.

The brown rot situation in 1929. Amer. Fruit Grow. Mag. 50(2): 11, 30. illus. F.1930.

Peach.

Ann. Naturh. Mus. Wien.

Cufodontis, G.

Beitrag zur kenntnis der flora von Norddalmatien. Ann. Naturh. Mus. Wien. 43: 210-228. pl.vii-viii. 1929.

Wissenschaftliche ergebnisse einer reise nach Norddalmatien im jahre 1928, V.

Rechinger, K.J.jr.

Beitrag zur kenntnis der flora der Aegäischen Inseln und Ost-Griechenlands. Ann. Naturh. Mus. Wien. 43: 269-340. pl.ix-x. 1929.

Ann. Naturh. Mus. Wien. (cont.)

Wagner, R.

Zur morphologie des Aster spinosus Benth. Ann. Naturh. Mus. Wien. 43: 369-378. illus. 1929.

Ann. Epiph. (Paris)

Capus, J.A. & Card, M.

Station de pathologie végétale de Bordeaux. (Rapports sommaires...1928). Ann. Epiph. 14: 502-504. O.1929. no.6.

Chabrolin, C.

Notes et observations relatives aux dépérissements de l'abricotier. Ann. Epiph. 14: 355-376. pl. i-v. S.1929. no.5.

Chabrolin, G.

La pourriture de l'inflorescence du palmier-dattier. Ann. Epiph. 14: 377-414. illus. pl.i-ii. S.1929. no.5.

Foex, E.

Station centrale de pathologie végétale (Rapports sommaires... 1928). Ann. Epiph. 14: 471-474. O.1929. no.6.

Joessel, P.H.

Pathologie végétale.(Rapports sommaires... 1928-Station de recherches agronomiques d'Avignon). Ann. Epiph. 14: 504-505. O.1929. no.6.

Marchal, P. & Foex, E.

Papport phytopathologique pour année 1928. Ann. Epiph. 14: 415-470. O.1929. no.6.

1. Mesures administratives visant la protection des plantes cultivées et l'organisation de la lutte contre les ennemis des plantes... 3. Maladies non parasitaires et maladies causees par des parasites végetaux.

Sélariés, & Rohmer,

Pathologie végétale. (Rapports sommaires... 1928 - Station agronomique de Colmar). Ann. Epiph. 14: 505-506. O.1929.

Ann. Inst. Nat. Agron. (Paris)

Dufrenoy, J.

Mission d'études aus Etats-Unis. Ann. Inst. Nat. Agron. 22:114-147. 1929.

Motoc, D.

Quelques observations sur la biologie du Sordaria uvicola en rapport avec les conditions de nutrition. Ann. Inst. Nat. Agron. 22: 148-162. 1929.

Nottin, P.

Léon Lindet. Ann. Inst. Nat. Agron. 22: 13-26. port. 1929.

Prudhomme, E.

Jean Dybowski (1856-1928). Ann. Inst. Nat. Agron. 22: 27-31. illus. 1929.

Ann. Sci. Agron. (Paris)

Arnaud, G. & Gaudineau, M.

Le traitement de la carie du blé. Ann. Sci. Agron. 46: 742-762. N./D.1929. no.6.

Birolaud, M.

Influence de la concentration des ions cuivre sur la toxicité des solutions de sels de cuivre pour le blé. Ann. Sci. Agron. 46: 733-741. illus. (diagrs.). N./D.1929. no.6.

Crépin, Ch., Alabouvette, L., Méneret, G. & Chevalier, R.

Etude sur la résistance au froid du blé et de l'avoine. Ann. Sci. Agron. 46: 661-718. illus. N./D. 1929. no.6.

François, L.

Provenance des semences. Etudes de géographie botanique. Ann. Sci. Agron. 46: 719-732. illus. (maps). N./D.1929. no.6.

Ann. Sci. Nat. Bot. (Paris)

Costantin, J.

Biologie culturale et pathologique de l'"Hevea brasiliensis" en Indo-Chine. Ann. Sci. Nat. Bot. X, 11: i-xix. D.1929. no.2.

Ann. Sci. Nat. Bot. (cont.)

Costantin, J., Magrou, J., Jaudel, V. & Lebard, P.
Influence de la culture sur les plantes à mycorhizes. Ann. Sci. Nat. Bot. X, 11: 337-341. D.1929. no.2.

Teodoresco, E. C.
Observations sur la croissance des plantes aux lumières de diverses longueurs d'onde. Ann. Sci. Nat. Bot. X,11: 201-335. illus., 1 pl. D.1929. no.2.

Ann. Bot. (London)

Gwynne-Vaughan, H.C.I. & Williamson, H.S.
Contributions to the study of Humaria granulata, Quel. Ann. Bot. 44: 127-145. illus., pl.xiii-xiv. Ja.1930. no.173.

Horne, A. S.
Nuclear division in the Plasmodiophorales. Ann. Bot. 44: 199-230. illus., pl.xvi-xvii. Ja.1930. no.173.

James, W. O.
Studies of the physiological importance of the mineral elements in plants. I. The relation of potassium to the properties and functions of the leaf. Ann. Bot. 44: 173-198. Ja. 1930. no.173.

Leclerq, S.
A monograph of Stigmaria bacupensis, Scott et Lang. Ann. Bot. 44: 31-54. pl.i-vii. Ja.1930. no.173.

Mann, C. E. T.
Studies in the root and shoot growth of the strawberry. V. The origin, development, and function of the cultivated strawberry (Fragaria virginiana x chiloensis). Ann. Bot. 44: 55-86. illus., pl.viii-x. Ja.1930. no.173.

Maskell, E. J. & Mason, T. G.
Studies on the transport of nitrogenous substances in the cotton plant. III. The relation between longitudinal movement and concentration gradients in the bark. Ann. Bot. 44: 1-29. Ja.1930. no.173.

Ann. Bot. (cont.)

Saxton, W.T.

Notes on conifers. III. Further points in the morphology of Larix europaea DC. Ann. Bot. 44: 161-165. illus. Ja.1930. no.173.

Tubbs, F.R.

Physiological studies in plant nutrition. II. The effect of manurial deficiency upon the mechanical strength of barley straw; Ann. Bot. 44: 147-160. illus. Ja.1930. no.173.

Ward, F. K.

The distribution of Primulas from the Himalaya to China, with descriptions of some new aspects. Ann. Bot. 44: 111-125. map. Ja.1930. no.173.

West, G.

Cleistogamy in Viola riviniana with especial reference to its cytological aspects. Ann. Bot. 44: 87-109. illus., pl.xi-xii. Ja.1930. no.173.

Ann. Rep. Bur. Sugar Exp. Stat. Queensland.

Bell, A. F.

Work of the division of pathology. Ann. Rep. Bur. Sugar Exp. Stat. Queensl. 29:34-37. 1929.

Arb. Deut. Landw-Ges. (Berlin)

Wehsarg, O.

Die verbreitung und bekämpfung der ackerunkräuter in Deutschland. bd. II (Einzelunkräuter, ihr vorkommen und ihre bekämpfung), lfg. 4. Arb. Deut. Landw.-Ges. 371. 96 p. illus. 1929.

Die bekampfung des unkrautes 18.st.

Arb. Rubbercult. Nederl.-Ind. (Batavia, Java)

Bobilioff, W.

Onderzoekingen over den meeldauw bij Hevea brasiliensis (Researches on Oidium of Hevea brasiliensis). Arch. Rubbercult. Nederl-Ind. 14: 15-51. illus., 1 fold. pl. Ja.1930. no.1.

English summary: p.50-51.

Arb. Rubbercult. Nederl.-Ind. (cont.)

Tengwall, T.A.

Bestrijding van meeldauw op Hevea door verstuiving met zwavelpoeder van vliegmachines uit. (Combating Oidium on Hevea by dusting sulphur from airplanes). Arch. Rubbercult. Nederl.-Ind. 14: 1-14. Ja.1930. no.1.

English summary: p.9-14.

Austral. For. Journ. (Sydney)

Carter, C. E.

Lignotubers. Austral. For. Journ. 12: 119-122. illus. D.1929. no.4.

Austral. Sugar Journ. (Brisbane)

North, D. S.

The bacterial-vascular diseases of sugar cane. Austral. Sugar Journ. 21: 614-616. Ja. 9, 1930. no. 10.

Gumming and leaf-scald.

Beitr. Biol. Pflanz. Cohn. (Breslau)

Alexandrov, W. G. & Alexandrova, O. G.

Ueber thyllenbildung und obliteration bei spiralgefässen. Beitr. Biol. Pflanz. Cohn. 17: 392-403. illus. 1929. no.3.

Funck, R.

Untersuchungen über heteroplastische transplantationen bei solanaceen und cactaceen. Beitr. Biol. Pflanz. Cohn. 17: 404-468. illus. 1929. no.3.

Lehbert, R.

Das genus Calamagrostis Adans. in Ostbalten. Beitr. Biol. Pflanz. Cohn. 17: 469-472. 1929. no.3.

Lingelsheim, A. V.

Zur biologie der Epipactisblüte. Beitr. Biol. Pflanz. Cohn. 17: 297-300. illus. 1929. no.3.

Meyer, F.

Serologische studien über gattungsbastarde, pfropfbastarde und artbastarde. Beitr. Biol. Pflanz. Cohn. 17:301-350. 1929. no.3.

Röder, F.

Zur theorie der zellatmung. Beitr. Biol. Pflanz. Cohn. 17: 473-479. 1929. no.3.

Beitr. Biol. Pflanz. Cohn. (cont.)
Wolf, P.
Zytologische untersuchungen über verschiedene formen der Mentha piperita. Beitr. Biol. Pflanz. Cohn. 17: 351-392. illus. 1929. no.3.

Ber. Naturforsch. Ges. Freiburg.
Broche, W.
Pollenanalytische untersuchungen an mooren des südlichen Schwarzwalds und der Baar. Ber. Naturforsch. Ges. Freiburg. 29: 1-243. illus. My.1929. (Rec'd F.1930). no.1/2.

Eggert, F.
Die desmidiaceen des badischen bodenseegebietes. Ber. Naturforsch. Ges. Freiburg. 29: 244-307. map. My.1929 (Rec'd F.1930). no.1/2.

Biochem. Journ. (London)
Collin, G. & Hilditch, T. P.
Regularities in the glyceride structure of vegetable seed-fats. Biochem. Journ. 23: 1272-1289. 1929. no.6.

Biochem. Zeitschr. (Berlin)
Luers, H., Kühles, R. & Fink, H.
Der stoffwechsel der hefe- und mycelform von Mucor guilliermondi. Biochem. Zeitschr. 217: 253-278. illus. Ja.20,1930. no.4/6.

Bol. Agr. São Paulo.
Hoehne, F. C.
As plantas ornamentaes da flora brasilica e sau papel como factores da salubridade publica, da esthética urbana e artes decorativas nacionaes. Bol. Agr. São Paulo. 30: 479-511, 658-687. illus. Jl./Ag., S./O. 1929. no.7/8, 9/10.

Bot. Leafl. Field Mus. Nat. Hist.
McNair, J. B.
Indian corn. Bot. Leafl. Field Mus. Nat. Hist. no. 14. 33 p. illus., 1 pl. 1930.

Bot. Abhandl.
Hoeppener, E. & Renner, O.
Genetische und zytologische oenotherenstudien. II. Zur kenntnis von Oe. rubrinervis, deserens, lamarckiana-gigas, biennis-gigas, franciscana, hookeri, suvaeolens, lutescens. Jena, G. Fischer, 1929 (Botanische abhandlungen, hrsg. von K. Goebel, h.15)

Botaniste. (Paris)

Dangeard, P. A.

Notes de vacances sur les organismes inferieurs et la question du vacuome. Botaniste. 21: 281-284. D.1929. no.5/6.

Puymaly, A. de.

Sur un Spirogyra. (Sp. fluviatilis Hilse) fixé, pérennant, sa multipliant par marcottage et par propagules. Botaniste. 21: 267-280. pl.xix bis. D.1929. no.5/6.

Bull. Dept. Agr. So. Austr.

Quinn, G.

The almond in South Australia. Bull. Dept. Agr. So. Austr. no.220. 19 p. illus. 1929.

Bull. Ohio Biol. Surv.

Johnson, M.M.

The Gasteromycetae of Ohio: Puffballs, birds'-nest fungi and stinkhorns. Bull. Ohio Biol. Surv. 22(v.4, no.7): 273-352. 5 pl. 1929 (Rec'd F.1930). no.7.

Bull. Soc. Roy. Bot. Belg. (Bruxelles)

Giltay, L.

Notes lichenologiques. Bull. Soc. Roy. Bot. Belg. 61(II,II): 120-122. 1929. no.2.

Homès, M.

La question des plantes carnivores principalement du point de vue cytologique. Bull. Soc. Roy. Bot. Belg. 61(II,11): 147-159. 1929. no.2.

Marchal, E. & Steyaert, R. L.

Contribution a l'etude des champignons parasites des plantes au Congo belge. Bull. Soc. Roy. Bot. Belg. 61(II,11): 160-169. pl.vii-x. 1929. no.2.

Many new species.

Monoyer, A.

Morphologie comparee du Scirpus sylvaticus L. et du Scirpus lacustris L., son importance au point de vue Lamarckien. Bubl. Soc. Roy. Bot. Belg. 61(II,11): 171-176. pl.xii-xiv. 1929. no.2.

Bull. Soc. Roy. Bot. Gelb. (cont.)

Vandendries, R.

Comment résoudre le problème sexuel du coprin micacé? Bull. Soc. Roy. Bot. Belg. 61(II,11): 123-135. 1929. no.2.

Bull. Torr. Club.

Matzke, E. B.

A morphologic study of the variations in Stellaria aquatica with special reference to symmetry and sterility. Bull. Terr. Club. 56: 471-534. illus. D.1929. no.9.

Reed, G. M.

New physiologic races of the oat smuts. Bull. Torr. Club. 56: 449-470. D.1929. no.9.

Rydberg, P. A.

Notes on Fabaceae. XII. Astragalus. Bull. Torr. Club. 56: 539-554. D.1929. no.9.

Trelease, W.

Not Piper angustifolium Lamarck: not Piper elongatum Vahl. Bull. Torr. Club. 56: 535-538. D.1929. no.9.

"Neither of these names applicable to any known pepper occurring in the West Indies or on continental North America."

Butler Univ. Bot. Stud. Paper. (Indianapolis)

Daubenmire, R. F.

The relation of certain ecological factors to the inhibition of forest floor herbs under hemlock. Butler Univ. Bot. Stud. Paper. 1: 61-76. diagrs. Ja.1930. no.6.

Friesner, R. C.

Chromosome numbers in ten species of Quercus, with some remarks on the contributions of cytology to taxonomy. Butler Univ. Bot. Stud. Paper. 1: 77-103. 2 pl. Ja.1930. no.7.

Calif. Citrogr. (Los Angeles)

Waynick, D. D. & Walker, S. J.

Rooting habits of citrus trees. Calif. Citrogr. 15: 201, 238-239. illus. Mr.1930. no.5.

Centralbl. Bakt. Abt.II. (Jena)

Lebedjewa, L. A.

Ueber vorkommen und bekämpfung von Sphaerotheca macularis Mgn. f. humuli Lév. und von Pseudoperonospora humuli Wilson in Kostroma-gouvernement. Centralbl. Bakt. Abt. II. 80: 64-70. Ja.22, 1930. no.1/7.

Compt. Rend. Acad. Sci. Paris.

Bonne, G. & Buchet, S.

Sur un curieux cas de prolifération florale chez Roas alpina L. Compt. Rend. Acad. Sci. Paris. 190: 317-319. F.3, 1930. no.5.

Bridel, M. & Charaux, C.

L'oroboside, nouveau glucoside hydrolysable par l'émulsine, retire de l'Orobus tuberosus L. et ses produits d'hydrolyse: glucose et orobol. Compt. Rend. Acad. Sci. Paris. 190: 387-389. F.10, 1930. no.6.

Cazalas,

Sur l'evolution du vacuome des Chara dans ses relations avec les mouvements du cytoplasme. Compt. Rend. Acad. Sci. Paris. 190: 314-317. illus. F.3, 1930. no.5.

Guilliermond, A.

Sur la formation des zoosporanges et la germination des spores chez un Saprolegnia, en cultures sur mileux nutritifs additionnées de rouge neutre. Compt. Rend. Acad. Sci. Paris. 190: 384-386. F.10. 1930. no.6.

Compt. rend. Soc. Biol. Paris.

Beauverie, J. & Cornet, P.

Etude de la résistance des chloroplastes et de la chlorophylle dans un cas de parasitisme (Coryneum beijerinkii). Compt. Rend. Soc. Biol. Paris. 103: 251-253. Ja.31, 1930. no.4.

Krupko, S.

Quelques observations vitales sur Phytophthora nicotianae. Compt. Rend. Soc. Biol. Paris. 103: 217-220. illus. Ja.31,1930. no.4.

Nocquette, M.

Nouvelles observations sur le "black chaff" (été 1929). Compt. Rend. Soc. Biol. Paris. 103: 239-240. Ja.31, 1930. no.4.

Congrès international de la vigne... ist, Bordeaux.

Capus, J.

Sur la teneur en cuivre des bouillies contre le mildiou de la vigne. Congrès international ee la vigne... Ist. Bordeaux, 1928, p.53-57. 1929.

Gard, M.

Sur quelques anomalies dans les maladies et la vegetation de la vigne en 1927. Congrès international de la vigne... Ist, 1928, p.70-73. 1929.

Lagatu, H.

Antagonisme du calcaire à l'egard de l'absorption de la potasse par la vigne. Congrès international de la vigne... Ist. Bordeaux, 1928, p.33-38. 1929.

Country Gentleman. (Philadelphia)

Cutting, M.C.

Bolley - the man who saved flax. Country Gentleman. 95(3): 14-15, 83-84. illus. Mr.1930.

Flor. Rev. (Chicago)

Morgan, W. P.

Hybridizer's work with new freesias. Flor. Rev. 65(1681): 29-31. illus. F.13, 1930. no.1681.

Gard. Chron. (London)

Brown, N.E.

Mesembryanthemum. (cont.) Cicandra, Octopoma. Gard. Chron. III,87: 126. F.15, 1930. no.2251.

Coutts, J.

Liliums. Gard. Chron. III, 87: 107-108. F.8, 1930.

Summary of a lecture delivered at the Royal Horticultural Hall, Westminster.

Grove, A.

The genus Zauschneria. Gard. Chron. III, 87: 128. F.15, 1930. no.2251.

Hollingworth, G. H.

Fruit tree propagation in the seventeenth century. Gard. Chron. III, 87: 109. illus. F.8, 1930. no.2250.

Gard. Chron. (cont.)

Osborn, A.

The tree Coryluses. Gard. Chron. III, 87: 106. illus. F.8, 1930. no.2250.

Wilson, M.

The rust disease of Berberis (Mahonia) aquifolium. Gard. Chron. III, 87: 132-133. illus. F. 15, 1930. no.2251.

Wood, M.

The fumitories. Gard. Chron. III, 87: 131. F.15, 1930. no.2251.

Corydalis.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Bodnár, J., and Terény, A.

Biochemie der brandkrankheiten der getreidearten. II. Mitteilung. Hoppe-Seyl. Zeitschr. Phys. Chem. 186: 157-182. illus. Ja.23, 1930. no.4/6.

Biophysikalische und biochemische untersuchungen uber die kupferadsorption der weizensteinbrandsporen (Tilletia tritici [Bjerk.] Winter).

Euler, H.v., Myrbäck, K. & Myrbäck, S.

Zur bestimmung der katalase in pflanzenmaterial. Hoppe-Seyl. Zeitschr. Phys. Chem. 186: 212-222. illus. Ja.23,1930. no.4/6.

Horticulture. (Boston)

The best of the dwarf evergreens - and why. Horticulture. 8: 71-72. illus. F.15, 1930. no.4.

House & Gard. (Greenwich, Conn.)

Wilson, E. H.

The camellia - rose of Japan. House & Gard. 57(3): 80-81, 138, 140, 142, 158. illus. Mr. 1930. no.3.

Illus. Landw. Zeit. (Berlin)

Fruwirth, C.

Der kampf mit den ackerunkrautern. II-III. Illus. Landw. Zeit. 50: 61, 89-90. Ja.24,F.7, 1930. no.4,6.

Indische Cult. (Soerbaja)

Van natuur tot kultuur. (Inocarpus edulis en Pandanus). Indische Cult. 15: 51-53. illus. Ja.1, 1930.

's Wereld's kostbaarste wortel. Indische Cult. 15: 71-74. illus. Ja.16, 1930. no.2.

Ginseng.

Ital. Agr. (Milan)

Manaresi, A.

Le classificazioni delle varietà di pesco. Ital. Agr. 66: 943-954. 1 col. pl. D.1929. no.12.

Jahrb. Wiss. Bot. (Leipzig)

Laibach, F.

Ueber die bedinguagen der perithezienbildung bei den erysipheen. Jahrb. Wiss. Bot. 72: 106-136. illus. Ja.1930. no.1.

Erysiphe galeopsidis on Lamium; Microsphaera quercina.

Schober, R.

Luftstickstoffassimilation und säurebildung bei Aspergillus niger. Jahrb. Wiss. Bot. 72: 1-105. Ja.1930. no.1.

Simon, S. V.

Transplantationsversuche zwischen Solanum melongena und Iresine lindeni. Jahrb. Wiss. Bot. 72: 137-160. illus. Ja.1930. no.1.

Joint Bull. Vermont Bot. & Bird Clubs.

Carpenter, D. S.

Nomenclatorial changes required in the Vermont flora. Joint Bull. Vermont Bot. & Bird Clubs. 14: 21-28. Ja.1930 (Rec'd F.)

Spaulding, P.

Some wood inhabiting fungi of Vermont. Joint Bull. Vermont Bot. & Bird Clubs. 14: 28-50. Ja. 1930. (Rec'd F.)

Journ. Agr. Res. (Washington,D.C.)

Briggs, F. N.

Inheritance of the second factor for resistance to bunt, Tilletia tritici, in Hussar wheat. Journ. Agr. Res. 40: 225-232. F.1,1930 (F.18) no.3.

Clayton, E. E.

A study of the mosaic disease of crucifers. Journ. Agr. Res. 40: 263-270. illus. F.1,1930. (F.18) no.3.

Journ. Agr. Res. (cont.)

Janssen, G. & Bartholomew, R. P.

The influence of the potash concentration in the culture medium on the production of carbohydrates in plants. Journ. Agr. Res. 40: 243-261. illus. F.1,1930 (F.18) no.3.

Steinberg, R. A.

An automatic watering system with recorder for use in growing plants. Journ. Agr. Res. 40: 233-241. illus. F.1, 1930 (F.18) no.3.

Journ. Amer. Pharm. Assoc. (Easton, Pa.)

Culter, S. H.

The inorganic constituents of Echinacea. Journ. Amer. Pharm Assoc. 19: 120-121. F.1930. no.2.

Phytochemical notes no. 104.

Harris, L. E.

Gleditschia triacanthos Linné. - A preliminary report on the chemistry of the fruit. Journ. Amer. Pharm. Assoc. 19: 117-119. illus. F.1930. no.2.

Journ. Amer. Soc. Agron. (Geneva N. Y.)

Bissey, R. & Butler, O.

Experiments on the control of mustard. Journ. Amer. Soc. Agron. 22: 124-135. illus. F.1930. no.2.

Dungan, G. H.

Relation of blade injury to the yielding ability of corn plants. Journ. Amer. Soc. Agron. 22: 164-170. illus. F.1930. no.2.

Hottes, C. F. & Wilson, H. K.

Resistance of wheat to high temperatures under different methods of heating. Journ. Amer. Soc. Agron. 22: 108-112. F.1930. no.2.

Taylor, J. W. & Zehner, M. G.

The effect of a seed disinfectant on grain and straw yields and smut control in winter barley. Journ. Amer. Soc. Agron. 22: 113-123. illus. F. 1930. no.2.

Journ. Assoc. Off. Agr. Chem. (Washington, D.C.)

Remington, R. E. & Shiver, H. E.

Iron, copper and manganese content of some common vegetable foods. Journ. Assoc. Off. Agr. Chem. 13: 129-132. F.15, 1930. no.1.

Journ. Biol. Chem. (Baltimore)

Kahlenberg, L. & Closs, J. C.

Presence of aluminum in animal and plant matter. Journ. Biol. Chem. 85: 783-784. F.1930. no.3.

Journ. Coll. Agr. Imp. Univ. Tokyo.

Ikeno, S. & Noguchi, Y.

Ein beispeil der pfirsichnektarinenchimäre in Japan. Journ. Coll. Agr. Imp. Univ. Tokyo. 10: 305-312. illus., pl.xiv-xv. (1 col) D.25, 1929. no.4.

Kusano, S.

Resistance of Oenothera to the attack of Synchytrium fulgens. Journ. Coll. Agr. Imp. Univ. Tokyo. 10: 313-327. illus., pl.xvi. D.25, 1929. no.4.

Noguchi, Y.

Studien über die entiwcklung der infloreszenzen und der blüten bei getreidepflanzen. Journ. Coll. Agr. Imp. Univ. Tokyp. 10: 247-303. illus. D.25, 1929. no.4.

Journ. Dept. Agr. Victoria. (Melbourne)

Fish, S.

Brown rot and transit rot and their control. Journ. Dept. Agr. Victoria. 28: 33-43. illus. Ja.1930. no.1.

Journ. Dept. Agr. West. Austral. (Perth)

Pittman, H. A.

"Early blight" or "leaf spot" and the Macrosporium "storage disease" of potatoes. Journ. Dept. Agr. West. Austral. II,6: 544-558. illus. D. 1929. no.4.

Journ. Inst. Brew. (London)

Newton, W. & Yarnwood, C.

Substances toxic to the downy mildew of the hop. Journ. Inst. Brew. 36: 67-68. F.1930. no.2.

Salmon, E. S. & Ware, W. M.

The downy mildew of the hop in 1929. Journ. Inst. Brew. 36: 63-67. F.1930. no.2.

Journ. Landw. (Berlin)

Döpke, O.

Morphologisch-anatomische untersuchungen an hafersorten. Journ. Landw. 77: 341-372. Ja. 1930. no.4.

Journ. Pomol. & Hort. Sci. (London).

Gibbs, M. A. & Swarbrick, T.
The time of differentiation of the flower-bud of the apple. Journ. Pomol. & Hort. Sci. 8: 61-66. 1 pl. Ja. 1930. no.1.

Kidd, F. & West, C.
The gas storage of fruit. II. Optimum temperatures and atmospheres. Journ. Pomol & Hort. Sci. 8: 67-77. illus. (diagrs.) Ja.1930. no.1.

The oak and apple mildews compared. Journ. Pomol. & Hort. Sci. 8: 91-92. Ja.1930. no.1.
Signed H.W. (H. Wormald?)

Sledge, W. A.
The rooting of woody cuttings considered from the standpoint of anatomy. Journ. Pomol. & Hort. Sci. 8: 1-22. illus. Ja.1930. no.1.

Wallace, T.
Experiments on the effects of leaching with cold water on the foliage of fruit trees. I- Journ. Pomol. & Hort. Sci. 8: 44-60. Ja.1930. no.1.
I. The course of leaching of dry matter, ash and potash from leaves of apple, pear, plum, black currant and gooseberry.

Journ. S.E. Agr. Coll. Wye.

Goodwin, W., Salmon, E. S. & Ware, W. M.
The control of apple scab. Journ. S.E.Agr. Coll. Wye. 26: 34-46. 1929.

Salmon, E. S. & Ware, W. M.
Reports from the mycological department. Journ. S.E. Agr. Coll. Wye. 26: 165-174. 1929.

Journ. So. African Chem. Inst.

Rindl, M.
Chemical investigation of the bark of Strychnos henningsii. II. Journ. So. African Chem. Inst. 13: 21-23. Ja.1930. no.1.
Isolation of a crystalline product of a glucosidal nature.

Malayan Tin & Rubber Jour. (Ipak, Perak, Fed. Malay St.)

A rubber disease. Rhizoctonia on Hevea. Malayan Tin & Rubber Journ. 19: 19. Ja.15, 1930. no.1.
Probably a distinct physiological strain of R. solani.

Mazama. (Portland,Ore.)

English, C. S.

Records of rare plants from the Pacific northwest. Mazama. 11: 122-125. illus. D.1929. no.12.

St.John, H. & Hardin, E.

Flora of Mt. Baker. Mazama. 11: 52-102. illus. D.1929. no.12.

Mezögazd. Kutat. Budapest.

Schilberszky, K.

A borbolya-cserje irtásának a jelentösége és a fekete gabonarozsda. (Die ausrottung des berberitzenstrauches und der getreideschwarzrost). Mezögazd. Kutat. Budapest. 3: 3-23. illus. Ja.1930. no.1.

German abstract: p.23-25.

Mitt. Biol. Reichanst. Forst. u. Landw. Berlin)

Schneider, O., Schlumberger, O. & Snell, K.

Versuchsergebnisse auf dem gesamtgebiete des kartoffelbaus in den jahren 1927-1928. Mitt. Biol. Reichsanst. Land- u. Forstw. no.38. 84 p. Ja. 1930.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Beck, A.

Versuche zur verhütung und bekämpfung der parasitischen erkrankungen der kulturpflanzen. Möller's Deut. Gärtn.-Zeit. 45: 44-45, 59-60. F.1, 11, 1930. no.4, 5.

Frič, A. V.

Kakteen als bepflanzung der felsenpartien II. Ueber die akklimatisation-möglichkeit der kugel- und saulenförmigen kakteen. Möller's Deut. Gärtn.-Zeit. 45: 42-44. illus. F.1, 1930. no.4.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bödeker, F.

Coryphantha mülbaueriana Böd. spec.nov. Monatsschr. Deut. Kakteen-Ges. 2: 18-20. illus. Ja. 1930. no.1.

Roeder, W.von.

Frostbeobachtungen an kakteen und die überwinterung. Monatsschr. Deut. Kakteen-Ges. 2: 10-18. Ja.1930. no.1.

Monatsschr. Deut. Kakteen-Ges. (cont.)

Schwantes, G.
Neue mesembriaceen. V. Monatsschr. Deutsch. Kakteen.-Ges. 2: 21-22. Ja.1930. no.1.

Tischer, A.
Corpuscularia perdiantha Tisch. spec.nov. Monatsschr. Deut. Kakteen-Ges. 2: 20-21. illus. Ja.1930. no.1.

Nat. Canad. (Quebec)

Marie-Victorin, Frère
Le jardin botanique de Montral. Nat. Canad. 57: 25-38. F.1930. no.2.

Nature. (London)

Inglis, R. A.
Botanical nomenclature. Nature. 125: 204. F.8, 1930. no.3145.

Sheffield, F.M.L. & Smith, J.H.
Intracellular bodies in plant virus diseases. Nature. 125: 200. F.8,1930. no.3145.

Nature Mag. (Washington,D.C.)

Gregory, C. T.
Wars of the roses. Nature Mag. 15: 159-160. illus. Mr.1930. no.3.

Haskin, L.L.
The hexenbesen. Nature Mag. 15: 172. illus. Mr.1930. no.3.
On fir.

Lentz, G. H.
Spanish moss. A by-product of the forests. Nature Mag. 15: 173-175. illus. Mr.1930. no.3.

Nord. Jordbrugsforskn. (København)

Åkerman, Å.
Letalfaktorer hos växter och djur. Nord. Jordbrugsforskn. 1929: 594-604. illus. Jl.1929. no.4/7.

Federley, H.
Nyare rön rörande artbastarder. Nord. Jordbrugsforskn. 1929: 632-641. Jl.1929. no.4/7.

Nord. Jordbrugsforskn. (cont.)

Kemner, N.A.
Potatisnematoden och dess framträdande i Sverige. Nord. Jordbrugsforskn. 1929: 560-567. Jl.1929. no. 4/7.

Liro, J. I.
Spörsmal beträffande svartrostproblemet i de nordiska landerna. Nord. Jordbrugsforskn. 1929: 555-559. 1929. no.4/7.

Lund, V.
Lethal faktorer i majs. Nord. Jordbrugsforskn. 1929: 604-611. jl.1929. no.4/7.

Nielsen, O.
Undersøgelser over Phoma-arter paa Brassica. Nord. Jordbrugsforskn. 1929: 580-587. Jl.1929. no.4/7.

Potatiskraftproblemet inom de skandinaviska länderna. Nord. Jordbrugsforskn. 1929: 531-554. illus. Jl.1929. no.4/7.
Potatiskraftan i Sverige av Th. Lindfors: p.531-535. Potetkreften i Norge av Ivar Jørstad, p.536-546. Potatiskräften i Finland av J. Ivar Liro, p.546-549. Bekaempelsen af kartoffelbrok (Synchytrium endobioticum) i Danmark av Olaf Nielsen, p.549-553.

Traen, A.E.
Forsøk med endel beisemidler mot sot (brand) og stripesyke. Kort oversikt over resultatene. Nord. Jordbrugsforskn. 1929: 588-591. Jl. 1929. no.4/7.

Wålstedt, I.
Resistens mot angrepp av nematoden Heterodera schachtii. Nord. Jordbrugsforskn. 1929: 568-579. Jl. 1929. no.4/7.

Notizbl. Bot. Gart. Berlin.

Burret, M.
Die gattung Ceroxylon Humb. et Bonpl. Notizbl. Bot. Gart. Berlin. 10: 841-854. D.30,1929. no.98.

Burret, M.
Die gattung Hyospathe Mart. Notizbl. Bot. Gart. Berlin. 10: 854-859. D.30, 1929. no.98.

Notizbl. Bot. Gart. Berlin. (cont.)

Burret, M.
Die heimat von Astrocaryum rostratum Hook. f. Notizbl. Bot. Gart. Berlin. 10: 837-839. D.30, 1929. no.98.
"Mexiko. Dep. Oaxaca, distr. Chinantla, bei Tepinapa".

Burret, M.
Zur gattung Jessenia Karst. Notizbl. Bot. Gart. Berlin. 10: 839-840. D.30,1929. no.98.
J. weberbaueri n.sp.

Harms, H.
Bromeliaceae novae III. Notizbl. Bot. Gart. Berlin. 10: 784-805. D.30,1929. no.98.

Harms, H.
Passifloraceae americanae novae. Notizbl. Bot. Gart. Berlin. 10: 808-821. D.30, 1939. no.98.

Krause, K.
Zwei für China neue liliaceengattungen. Notizbl. Bot. Gart. Berlin. 10: 806-807. D.30, 1929. no.98.
Protolirion sinii, Chionographis chinensis.

Mansfeld, R.
Monandrodendron nov.gen. Flacourt. Notizbl. Bot. Gart. Berlin. 10: 860-862. illus. D.30, 1929. no.98.
M. schultzei.

Melchior, H.
Die chinesischen arten der familie der Alangiaceen. Notizbl. Bot. Gart. Berlin. 10: 822-830. D.30, 1929. no.98.
A. kwangsiense n.sp.

Pilger, R.
Einige nachträge zur bearbeitung der südamerikanischen Plantago-arten. Notizbl. Bot. Gart. Berlin. 10: 831-836. D.30, 1929. no.98.

Schulz, O.E.
Ueber Thlaspi chionophilum Spegazzini. Notizbl. Bot. Gart. Berlin. 10: 781-783. D.30, 1929. no.98.

Notizbl. Bot. Gart. Berlin. (cont.)
Ulbrich, E.
Ranunculaceae novae vel criticae VIII.
Notizbl. Bot. Gart. Berlin. 10: 863-880.
illus. D.30, 1929. no.98.
Urophysa, Schlagintweitiella new genera.

Obst- u Gemüseb. (Berlin)
Rauchschaden an steinobstfruchten. Obst- u.
Gemüseb. 76: 15. illus. Ja.22, 1930. no.1.

Rosenthal, H.
Viruskrankheit bei schwarzen johannisbeeren.
Obst- u. Gemüseb. 76: 14. illus. Ja.22, 1930.
no.1.

Schaarschmidt, W.
Wurzelälchenbekämpfung mit schwefelkohlenstoff-
sapikatgemisch Obst- u. Gemuseb. 76: 15.
Ja.22, 1930. no.1.

Ochrana Rostlin. (Prague)
Baudys, E.
Fytopathologické poznámky. V. Ochrana Rostlin.
9: 108-128. illus. D.1929. no.5/6.
German summary: p.126-128.
Considers weather injuries and miscellaneous
plant diseases.

Magerstein, Č.
Deformace prutů košitkářské vrby. (Deformation
der korbweidetriebe). Ochrana Rostlin. 9: 143-
148. illus. D.1929. no.5/6.
German summary: p.148.

Neuwirth, F.
Nové poznatky o hádátku řepném Heterodera
schachti Schmidt. Ochrana Rostlin. 9: 132-142.
illus. D.1929. no.5/6.
German summary: p.142.

Rambousek, F.
Nejdůležitější choroby řepové. (Sur les maladies
les plus importantes de la betterave). Ochrana
Rostlin. 9: 149-157. D.1929. no.5/6.
French with a brief Czechoslovakian introduction.

Ochrana Rostlin. (cont.)

Řiha, J. & Blattný, C.

Výsledky pokusu o šíření se virusových chorobo a degeneraci bramborů jimi zaviněné v různých Krajích republiky v letech 1926-1929. (Ergebnisse des versuches über das verbreiten der viruskrankheiten und der durch sie verursachten degeneration der kartoffeln in verschiedenen gegenden der Tchechoslovakischen republik in den jahren 1926-1929). Ochrana Rostlin. 9: 98-108. illus. D.1929. no.5/6.

German summary: p.106-108.

Ohio Journ. Sci. (Columbus)

Schaffner, J. H.

Orthogenetic series resulting from a simple progressive movement. Studies in determinate evolution III. Ohio Journ. Sci. 30: 61-71. illus., pl. i-iv. Ja.1930. no.1.

Orchid Rev. (Richmond, England)

Barbieri, N. A.

The physiological cultivation of orchids. Orchid Rev. 38: 35-48. illus. F.1930. no.440.

Cooper, E.

Bulbophyllum frostii and other Annam orchids. Orchid Rev. 38: 53-55. F.1930. no.440.

Cooper, E.

Cattleya dormaniana. Orchid Rev. 38: 48-50. F. 1930. no.440.

Phytopath.

Hill, J.B., Brittingham, W.H., Gibbons, F.P. & Watts, G.

Further notes on Bacterium tumefaciens and its host relationship. Phytopath. 20: 179-186. illus. F.1930. no.2.

Hill, J. B.

The zoöloeae of Bacterium tabacum and their relation to the problem of the migration of bacterial phytopathogenes through the host tissues. Phytopath. 20: 187-195. illus. F.1930. no.2.

Reddy, C. S.

Fungicidal efficiency of chemical dusts containing furfural derivatives. Phytopath. 20: 147-168. illus. F.1930. no.2.

Phytopath. (cont.)

Swezy, O. & Severin, H.H.P.

A Rickettsia-like microorganism in Eutettix tenellus (Baker), the carrier of curly top of sugar beets. Phytopath. 20: 169-178. illus. F.1930. no.2.

Phytopath. Zeitschr. (Berlin)

Kotte, W.

Eine bakterielle blattfaule der winter-endivie (Cichorium endivia L.). Phytopath. Zeitschr. 1: 605-613. illus. 1930. no.6.

Pseudomonas endiviae.

Schaffnit, E. & Volk, A.

Ueber den einfluss der ernährung auf die empfänglishkeit der pflanzen für parasiten. II. Phytopath. Zeitschr. 1: 535-574. illus. 1930. no.6.

II. Beitrage zur kenntnis der wechselbeziehungen zwischen kulturpflanzen, ihre parasiten und der umwelt.

Tumanow, I.I. & Borodin, I.N.

Untersuchungen über die kalteresistenz von winterkulturen durch direktes gefrieren und indirekte methoden. Phytopath. Zeitschr. 1: 575-604. illus. 1930. no.6.

Planta Arch. Wiss. Bot. (Berlin)

Hamorak, N. & Lubynśkyj, M.

Das horizontal-porometer. Planta Arch. Wiss. Bot. 8: 639-644. illus. Ja.29,1930. no 4.

Lewitsky, G.A. & Tron, E.J.

Zur frage der karyotypischen evolution der gattung Muscari Mill. Planta Arch. Wiss. Bot. 9: 760-775. illus. Ja.29, 1930. no.4.

Matzke, E. B.

Der einfluss einiger bedingungen, besonders der buntblättrigkeit, auf die zahl der staubblätter bei Stellaria media (L.) Cyr. Planta Arch. Wiss. Bot. 9: 776-791. illus. Ja.29, 1930. no.4.

Prosina, M.

Embryologische untersuchungen an Eremurus spectabilis M.B. var. Regeli. Planta Arch. Wiss. Bot. 9: 748-759. illus. Ja.29,1930. no.4.

Planta Arch. Wiss. Bot. (cont.)

Schmucker, T.
Blüten-biologische und -morphologische beobachtungen. Planta Arch. Wiss. Bot. 9: 718-747. illus. Ja.29, 1930. no.4.

Schünemann, E.
Untersuchungen über die sexualität der myxomyceten. Planta Arch. Wiss. Bot. 8: 645-672. illus. pl. 1. Ja.29, 1930. no.4.

Tschechow, Wl.
Karyologisch-systematische untersuchung des tribus Galegeae, fam. Leguminosae. Planta Arch. Wiss. Bot. 9: 673-680. illus. Ja.29, 1930. no.4.
Vorlaüfige mitteilung.

Zanker, J.
Untersuchungen über die geraniaceen. Planta Arch. Wiss. Bot. 9: 681-717. illus. Ja.29, 1930. no.4.

Proc. Georgia-Florida Pecan Grow. Assoc.

Demaree, J. B.
The pecan leaf-blotch. Proc. Georgia-Florida Pecan Grow. Assoc. 23(1929): 10-11. [1929?] (Rec'd Ja.1930).

Taylor, H. B.
Practical scab control by dusting, from a grower's standpoint. Proc. Georgia-Florida Pecan Grow. Assoc. 23(1929): 36-39. [1929?] (Rec'd Ja. 1930)

Wight, J. S.
Practical scab control by spraying from a growers standpoint. Proc. Georgia-Florida Pecan Grow. Assoc. 23(1929): 34-36. [1929?] (Rec'd Ja. 1930).

Proc. Imp. Acad. Tokyo.

Fukushima, E. & Maruyama, Y.
Preliminary report of the serological examination on Brassica. Proc. Imp. Acad. Tokyo. 5: 473-476. D.1929. no.10.

Ueda, S.
History of the Japanese medicinal gardens. Proc. Imp. Acad. Tokyo. 5: 443-446. D.1929. no.10.

Proc. K. Akad. Wetensch. Amsterdam.

Dolk, H. E.

Ueber die wirkung der schwerkraft auf koleoptilen von Avena sativa. II. Proc. K. Akad. Wetensch. Amsterdam. 32: 1127-1140. diagrs. 1929. no.9.

Cort, A. J. P.

The sexuality of Coprinus fimetarius. Proc. K. Akad. Wetensch. Amsterdam. 32: 1355-1360. 1 pl. 1929.

Pinkhof, M.

Untersuchungen über die umfallkrankheit der tulpen. Proc. K. Akad. Wetensch. Amsterdam. 32: 1248-1260. illus. 1929. no.9

Posthumus, O.

Ferns of Bawean. Proc. K. Akad. Wetensch. Amsterdam. 32: 1361-1369. 1929. no.10.

Proc. Roy. Soc. Ser.B. (London)

Kidd, F. & West, C.

Physiilogy of fruits. I. Changes in the respiratory activity of apples during their senescence of different temperatures. Proc. Roy. Soc. Ser. B. 106: 93-107. F.5, 1930. no.B742.

Salaman, R.N. & Le Pelley, R.H.

Para-crinkle: a potato disease of the virus group. Proc. Roy. Soc. Ser.B. 106: 140-174. pl.13-17. F.5, 1930. no.B743.

Thornton, H. G.

The influence of the host plant in inducing parasitism in lucerne and clover nodules. Proc. Roy. Soc.Ser.B. 106: 110-122. illus., pl.7-11. F.5, 1930. no.B742.

Protoplasma. (Leipzig)

Armstrong, J.L.

Hydrogen-ion phenomena in plants. II. An investigation of the buffer complex of sap from stems of Pelargonium sp. Protoplasma. 8: 313-343. illus. 1929. no.3.

Brooks, S. C.

The accumulation of ions in living cells -- a nonequilibrium condition. Protoplasma. 8: 389-412. illus. D.1929. no.3.

Experiments with Valonia macrophysa.

Protoplasma. (cont.)

Weber, F.
Bildung von niederschlagsmembranen im Musa-saft mit neutralrot. Protoplasma. 8: 434-436. illus. D.1929. no.3.

Weber, F.
Plasmolyse in verdünntem gewebesaft. Protoplasma. 8: 437-439. D.1929. no.3.

Rep. Austral. Assoc. Adv. Sci.

Cambage, R. H.
Origin and development of portion of the Australian flora. Rep. Australasian Assoc. Adv. Sci. 19(1928): 7-29. 1929.

Du Rietz, G. E.
The discovery of an Arctic element in the lichen-flora of New Zealand and its plantgeographical consequences. Rep. Australasian Assoc. Adv. Sci. 19(1928): 628-635. 1929.

Noble, R. J.
Some observations on the relationship of soil conditions to the development of disease in plants. Rep. Australasian Assoc. Adv. Sci. 19(1928): 574-580. 1929.

Osborn, T.G.B.
The biological factor in the study of vegetation, with special reference to Australian conditions. Rep. Australasian Assoc. Adv. Sci. 19(1928): 611-626. 1929.

Samuel, G. & Pittman, H.A.
Dusting and spraying experiments for the control of spotted wilt of tomatoes. Rep. Australasian Assoc. Adv. Sci. 19(1928): 588-590. 1929.
Abstract.

Rep. Brit. Assoc. Adv. Sci.

Seward, A. C.
Botanical records of the rocks: with special reference to the early Glossopteris flora. Rep. British Assoc. Adv. Sci. 97(1929): 197-216. 1930.

Rep. Dept. Agr. Centr. Prov. & Berar.
Dastur, J. F.
Annual report of the mycological section for the year ending the 31st March 1928. Rep. Dept. Agr. Centr. Prov. & Berar. 1927/28: 40-45. 1929.

Rev. Agr. Ile Maurice. (Maurice)
Orian, G.
Les maladies de la canne à Maurice. Rev. Agr. Ile Maurice. 1929: 206-210. N./D. 1929. no.48.

Shepherd, E.F.S.
Notes supplémentaires sur le "pokkah-bong" et autres affections similaires de la canne à Maurice. Rev. Agr. Ile Maurice. 1929: 213-214. N./D. 1929. no.48.

Rev. Agr. Puerto Rico. (San Juan)
Richardson, P.
Un poco de historia sobre variedades de caña en Puerto Rico. Rev. Agr. Puerto Rico. 25: 3-8, 29. Ja. 1930. no.7.

Rev. Agriculteurs France.
Bormans, P.
Apercu des principes biologiques bases de la selection du ble. Rev. Agriculteurs France. 62: 41-46. illus. F. 1930. no.2.

Rev. Algol. (Paris)
Bachrach, E. & Lefèvre, M.
Recherches sur la culture des péridiniens. Rev. Algol. 5: 55-59. illus. Ja.1, 1930. no.1.

Hamel, G.
Chlorophycées des côtes françaises. Rev. Algol. 5: 1-54. illus. Ja.1, 1930. no.1.

Hamel, G.
Floridées de France. VI. Rev. Algol. 5: 61-109. illus. Ja.1, 1930. no.1.

Science. (Lancaster, Pa.)

Allen, C. E.

Inheritance in a hepatic. Science. 71: 197-204. F.12, 1930. no.1834.

Sphaerocarpos.

Allison, F.E. & Morris, H.J.

Nitrogen fixation by blue-green algae. Science. 71: 221-223. F.21, 1930. no.1834.

Coville, F. V.

The National arboretum. Science. 71: 176-178. F.14,1930. no.1833.

Dexter, S.T.

A method for determining hardiness in plants. Science. 71: 220-221. F.21, 1930. no.1834.

Julius Buel Weems. Science. 71: 178. F.14, 1930. no.1833.

Signed W.C.J.

Otis, C. H.

A source of diastase. Science. 71: 221. F.21, 1930.

Pangestin.

Patent for extracting rubber from goldenrod. Science. v.71, no.1834 Suppl. p.xiv. F.21, 1930.

Edison's process.

See also v.71, no. 1835, Suppl. p.x. F.28,1930.

Schollenberger, C. J.

The colorimetric determination of soil reaction. Science. 71: 220. F.21, 1930. no.1834.

Stout, G. L.

Severe hail injury to trees and shrubs. Science. 71: 187-188. F.14, 1930. no.1833.

Science Education. (Salem)

Grier, N.M.

A useful plant for biology teachers. Science Education. 14: 447-448. Ja.1930. no.2.

Impatiens holstii.

Seed World. (Chicago)

Griffiths, D.

Cape cowslip - a bulbous plant of great possibilities. Seed World. 27: 19, 21. illus. F.21, 1930. no.4.

Succulenta. (Leeuwarden)

Houten, J. M. van den.
Aloë's. Succulenta. 12: 17-22. illus. Feb. 1930. no.2.

Houten, J. M. van den.
Hoe heet die cactus? Succulenta. 12: 29-31. illus. F.1930. no.2.

Techn. Bull. Macdonald Coll.

Machacek, J. E.
Studies on the association of certain phytopathogens. Techn. Bull. Macdonald Coll. no.7., 78 p. illus. Jl.1928 (Rec'd F.1930).
Appears to be same material expanded as publ. under this title in Ann.Rep.Quebec Soc. Prot.Pl. v.20.

Tectona. (Buitenzorg)

Steenis, C.G.G.J. van
Het geslacht Tristania op Java. Tectona. 22: 1333-1341. illus. D.1929. no.12

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (Leningrad)

Kriukov, F.A.
... The history of the origin of cultivated plums and the geographical distribution of their wild ancestors. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(3): 527-552. 1929
Russian with English summary.

Pashkevich, V. V.
... The present state of the question as to the origin of the multifariousness of wild and cultivated forms of the apple tree. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(3): 553-584. 1929.
Russian with English summary.

Popov. M.G., Kostina, K.F. & Pojarkova, A.J,
... Wild growing fruit trees and shrubs of Asia Media. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(3) 241-483. illus. (incl. map). 1929.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (cont.)

Skvortzov, B. V.

... Materials [Contributions] to the knowledge of the wild growing fruit-plants of far east Asia. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 22(3): 213-239. illus. 1929.

Russian with English summary (On the hazel nut of North Manchuria- On Fragaria orientalis grown in north Manchuria - On wild and cultivated apricot trees of north Manchuria - On the cherries of Kirin province of north Manchuria.

Vinogradov-Nikitin, P.

... Fruit and nourishing trees in the forests of Transcaucasia. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(3): 3-211. illus. 1929.

Russian with English summary.

Mal'tsev, A. I.

... Wild and cultivated oats sectio Euavena Griseb. Trudy Prikl. Bot., Gen. i Selek. Prilozh. (Bull. Appl. Bot., Gen. & Plant-breed. Suppl.) 38. 522 p. illus., 100 pl. on 50, maps. 1930.

Die Umschau. (Frankfurt)

Tröthandl, O.

Die elektrizität im dienste der pflanzenzucht. Frisches gemüse und frisches obst im winter. Die Umschau. 34: 130-133. illus. F.15, 1930. no.7.

U.S. Dept. Agr. Plant Dis. Rep.

McCubbin, W. A.

Report of peach yellows inspection in Pennsylvania - 1929. U.S. Dept. Agr. Plant Dis. Rep. 14: 33-37. F.15, 1930. no.4.

Stout, G.L.

The peach yellows situation in Illinois. U.S. Dept. Agr. Plant Dis. Rep. 14: 28-32. illus. (map) F.15, 1930. no.4.

U. S. Dept. Agr. Techn. Bull.

Levine, M.N., Stakman, E.C. & Stanton, T. R.

Field studies on the rust resistance of oat varieties. U. S. Dept. Agr. Techn. Bull. 143. 35 p. F.1930(Rec'd Mr.1)

Univ. Calif. Publ. Agr. Sci. (Berkeley)

Hollingshead, L. & Babcock, E.B.

Chromosomes and phylogeny in Crepis. Univ. Calif. Publ. Agr. Sci. 6: 1-53, illus. Ja.4, 1930, no.1.

Hollingshead, L.

Cytological investigations of hybrids and hybrid derivatives of Crepis capillaris and Crepis tectorum. Univ. Calif. Publ. Agr. Sci. 8: 55-89. illus., pl. 1-3. Ja.21, 1930. no.2.

Vict. Nat. (Melbourne)

Green, T.

Profiles of Thelymitra columns. Vict. Nat. 36: 186-187. pl.viii, Ja.1930. no.9.

Nicholls, W. H.

A new Prasophyllum. Vict. Nat. 36:179-180. pl. vii. Ja.1930. no.9.

P. morganii.

Nicholls, W.H.

Two variable orchids. Vict. Nat. 36: 181-185. illus. Ja.1930. no.9.

Notes and comments by the Rev. H.M.R. Rupp.

Diuris sulphurea, D. dendrobioides.

Williamson, H. B.

Notes on the Victorian species of Cassia. Vict. Nat. 46: 175-178. Ja.1930. no.9.

Yearbk. Calif. Avocado Assoc.

Abbott, E. V.

Anthracnose of the avocado in Peru. Yearbk. Calif. Avocado Assoc. 1929: 131-134. illus. D.1929.

Condit, I. J.

Check list of avocado varieties. Yearbk. Calif. Avocado Assoc. 1929: 164-181. D.1929.

Zeitschr. Indukt. Abstamm. u Verebungsl. (Leipzig)

Hanke, M.

Faktorenkoppelung und faktorenanalyse bei Antirrhinum majus. Zeitschr. Indukt. Abstamm. u. Verebungsl. 53: 235-278. illus. pl.v. 1930. no.2.

Zeitschr. Pilzk. (Leipzig)

Buchs, M.

Der bergporling, Polyporus montamus Quel. Zeitschr. Pilzk. 14(n.s.9): 8-9. Ja.30, 1930. no.1.

Killermann, S.

Pilze aus Bayern. III. Zeitschr. Pilzk. 14(n.s.9): 13-15. Ja.30, 1930. no.1.

Exper. Stat. Publ.

Reed, H.S. & Bartholemew, E. T.

The effect of desiccating winds on citrus trees. California Agr. Exp. Stat. Bull. 484. 59 p. illus. Ja. 1930.

Crosby, C.R., Mills, W.D. & Baluvelt, W.E.

Protecting orchard crops from diseases and insects. Cornell Agr. Exp. Stat. Bull. 498. 80 p. illus. D.1929 (Rec'd F.1930).

New Jersey agricultural experiment station - Dept. of plant pathology.

Infectious chlorosis of rose. Its Nursery Disease notes v.2, no.7. 4 p. Ja.1930.

New Jersey agricultural experiment station - Dept. of plant pathology.

1929 experiments for the control of rose diseases. Its Nursery disease notes. v.2, no.8. 5 p. F.1930.

New Books.

Beraldi, A.

Malattie delle piante... Milano, U. Hoepli, 1929.

Bixby, G. R., Buller, A.H.R. & Dearness, J.

The fungi of Manitoba. London,[&c.], Longmans, Green & Co., 1929.

New Books. (cont.)

Bose, Sir, J.C.
Growth and tropic movements of plants,
London, [&c], Longmans, 1929.

Butenandt, A.
Ueber die chemische konstitution des rotenons,
des physiologisch wirksamen bestandteils der Derris
elliptica. Gottingen, 1928.

Calvert, R.
Diatomaceous earth. N.Y., 1930 (Amer. Chem.
Soc. Monogr. Ser. no. 52)

Deutsche gesellschaft für pilzkunde.
Die pilze Mitteleuropas. v.1, lfg.9. (Kallenbach,
F. Die röhrlinge (Boletaceae) Leipzig, 1926 (1929?)

Deutschlands obstsorten. lfg. 19. Stuttgart, [1929?]

Fiori, A.
Nuova flora analitica d'Italia. v.2, no.7.
Firenze, 1929.
Concludes the general index.

Keissler, K.
Die flechtenparasiten... lfg. 1- Leipzig,
1930 (Dr. L. Rabenhorst's Kryptogamen-flora von
Deutschland, Oesterreich und der Schweiz VIII bd.)

Knott, J. E.
Vegetable growing. Philadelphia, Lea & Febiger,
1930.
Diseases treated under each crop.

Konrad, P. & Maublanc, A.
Icones selectae fungorum. fasc. 5. Paris, O.
1929.

Leconte, H.
Flore générale de l'Indo-Chine. v.5, f.9. Urti-
cacées (fin) par F. Gagnepain; juglandacées, myricacees,
casuarinacées par L.A. Dode; fagacées par R. Hickel
& A. Camus, Paris. O.1929.

New Books. (cont.)

Meier, F. E.
Recherches expérimentales sur la formation de la carotine chez les algues vertes unicellulaires et sur la production de la gelee chez un Stichococcus (S.mesenteroides). Genève, 1929.

Stephenson, M.
Bacterial metabolism. London, Longmans, [illegible], 1930 (Monographs on biochemistry)

BOTANY
CURRENT LITERATURE

MAR 31 19
S. Department of Ag.

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 12, no. 6. Mar. 1-15, 1930.

Addisonia. (New York)

Addisonia. v.14, no.4, col.pl. 473-480. D.1929. (Rec'd Mr.1930)

Vanilla planifolia, pl.473; Pycnostachys dawei, pl.474; Bicuculla eximia, pl.475; Viola priceana, pl.476; Gelsemium sempervirens, pl.477; Lobelia sessilifolia, pl.478; Kleinia articulata, pl.479; Dahlia maxonii, pl.480.

Agric. Colon. (Firenze)

Maugini, A.

Contributi alla conoscenza di alcuni prodotti vegetali spontanei della Cirenaica. Agric. Colon. 24: 74-77. F. 1930. no.2.

Ginepro feniceo (Juniperus phoenicea L.)

Agricultura. (Pan Amer. Union)

Uphof, J. C. T.

El árbol kapok como planta fibrosa. Agricultura. no.60. 14p. illus. Ja.1930.

Reprinted from Bol. Union Panamer. 64: 28-41. illus. Ja.1930.

Amer. For. & For. Life. (Washington, D.C.)

Thornborough, L.

A new national park in the east. The Great Smokies, a ten-million-dollar gift to the government. Amer. For. & For. Life. 36: 137-140, 190. illus. Mr.1930. no.3.

Amer. Home. (Garden City)

Nicolas, J. H.

Roses and black spot. Amer. Home. 4(1): 27, 128. illus. Ap.1930.

Amer. Journ. Bot.

Bunten, I.

A preliminary report on the chromosome complement of "rabbit-eared rogues" in culinary peas (Pisum sativum L.). Amer. Journ. Bot. 17: 139-142. illus. F.1930. no.2.

Harris, J.A., Tu, C. & Wilder, M.

The biological significance of certain differences between the values of the correlation coefficient, correlation ratio, and contingency coefficient. Amer. Journ. Bot. 17: 175-185. illus. F.1930. no.2.

Amer. Journ. Bot. (cont.)

Hein, I.

Liesegang phenomena in fungi. Amer. Journ. Bot. 17: 143-151. pl.viii. F.1930. no.2.

Lindsay, R. H.

The chromosomes of some dioecious angiosperms. Amer. Journ. Bot. 17: 152-174. pl.ix-xi. F.1930. no.2.

Mitchell, E. M.

A microchemical study of hemicelluloses of endosperms and cotyledons. Amer. Journ. Bot. 17: 117-138. illus. F.1930. no.2.

Amer. Nat.

Emerson, R.A. & Beadle, G. W.

A fertile tetraploid hybrid between Euchlaena perennis and Zea mays. Amer. Nat. 64: 190-192. illus. Mr./Ap.1930 (Mar.) no.691.

Ann. Mus. Colon. Marseille.

Margaillan, L.

Nouvelles recherches sur quelques graines oléagineuses des pays chauds. Ann. Mus. Colon. Marseille. 37(IV, v.7) fasc. 3. 32 p. 1929.

Ann. Appl. Biol. (London)

Bennett, F. T.

Gibberella saubinetii (Mont.) Sacc. on British cereals. Ann. Appl. Biol. 17: 43-58. illus. F. 1930. no.1.

Wheat and barley.

Goodwin, W., Martin, H. & Salmon, E.S.

Polysulphide sulphur in relation to the fungicidal efficiency of certain spray materials. Ann. Appl. Biol. 17: 127-136. F.1930. no. 1.

Mumford, E. P.

On the curly top disease of the sugar beet: a biochemical and histological study. Ann. Appl. Biol. 17: 28-35. pl. i-ii. F. 1930. no.1.

Small, T. & White, H. L.

Carbon dioxide in relation to glasshouse crops. IV. The effect on tomatoes of an enriched atmosphere maintained by means of a stove. Ann. Appl. Biol. 17: 81-89. F. 1930. no.1.

Ann. Appl. Biol. (cont.)

Small, T.

The relation of atmospheric temperature and humidity to tomato leaf mould (Cladosporium fulvum) Ann. Appl. Biol. 17: 71-80. F.1930. no.1.

Stoughton, R. H.

Apparatus for the growing of plants in a controlled environment. Ann. Appl. Biol. 17: 90-106. illus., pl.v-vi. F. 1930. no.1.

Stoughton, R. H.

Thionin and orange G for the differential staining of bacteria and fungi in plant tissues. Ann. Appl. Biol. 17: 162-164. pl.vii. F.1930. no.1.

Wormald, H.

Bacterial "blight" of walnuts in Britain. Ann. Appl. Biol. 17: 59-70. pl.iv. F.1930. no.1.

Ann. Rep. Dept.Agr. W.Austr.

Gardner, C. A.

Report of the government botanist. Ann. Rep. Dept. Agr. W. Austr. 1928/29: 26. 1929.

Pittman, H. A.

Report of the plant pathologist. Ann. Rep. Dept. Agr. W.Austr. 1928/29: 27-29. 1929.

Arch. Protistenk. (Jena)

Nowak, W.

Untersuchungen an Basidiobolus ranarum Eidam. Arch. Protistenk. 69: 195-234. illus. 1930. no.2.

Pascher, A.

Zur kenntnis der heterokonten algen. Arch. Protistenk. 69: 401-451. illus., pl.21. 1930. no.2.

Arch. Suikerind. Nederl. Indië (Meded.) (Soerabaja)

Bolle, P. C.

De roodestrepenziekte. Arch. Suikerind. Nederl. Indië. v.36, pt.3 (Meded. 22): 1147-1218. 5 pl. (1 col.) 1929.

English summary: p.1215-1218.

Atti Soc. Nat. e Mat. Modena. (Forli)

Castrati, M.

Ricerche sul polimorfismo della Trapa natans L. dei Laghi di Mantova (Nota preliminare). Atti Soc. Nat. e Mat. Modena. VI, 8(6): 98-105. 1929.

Draghetti, A.

Giuseppe Lopriore. Atti Soc. Nat. e Mat. Modena. VI, 8(60): 107-113. 1929.

Negodi, G.

Sulla histologia e fisiologia del filloma di Limoniasturm articulatum Moench. Atti Soc. Nat. e Mat. Modena. VI, 8(60): 64-85. pl.i-ii. 1929.

Savelli, R.

Genantocarpia. Atti Soc. Nat. e Mat. Modena. VI, 8(60): 50-59. illus. 1929.

Cucurbita moschata.

Ber. Deut. Bot. Ges. (Berlin)

Diels, L.

Die frostschäden in den botanischen gärten Deutschlands im winter 1928/1929. Ber. Deut. Bot. Ges. 47: 603-607. Ja.30, 1930. no.10.

Fritsch, K.

Die systematische gruppierung der bryophyten. Ber. Deut. Bot. Ges. 47: 614-618. Ja.30, 1930. no.10.

Fritsch, K.

Die systematische gruppierung der pteridophyten. Ber. Deut. Bot. Ges. 47: 618-622. Ja.30, 1930. no.10.

Heinricher, E.

Ueber chlorophyllfreie austriebe der mistel, verursacht durch den gleichzeitigen mangel von licht und nährsalzen. Ber. Deut. Bot. Gesell. 47: 623-628. illus. Ja.30, 1930. no.10.

Tschesnokov, W. & Bazyrina, K.

Zur frage der gestimmung der CO_2-assimilation in luftstrome. Ber. Deut. Bot. Ges. 47: 600-602. Ja.30, 1930. no.10.

Ber. Deut. Bot. Ges. (cont.)
Werth, E.
Wie alt ist die erkenntnis der sexualität der pflanzen? Ber. Deut. Bot. Ges. 47: 608-613. illus. Ja.30, 1930. no.10.
Zur geographie und geschichte der kulturpflanzen und haustiere. I.

Better Flow. (Portland, Oreg.)
Purdy, C.
West American lilies. Better Flow. 10: 3-5, 25. illus. Mr.1930. no.3.

Biochem. Zeitschr. (Berlin)
Chrzaszez, T. & Tiukow, D.
Oxalsäure in schimmelpilzkulturen. Biochem. Zeitschr. 218: 73-85. F.3, 1930. no.1/3.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc.
Pellew, Caroline.
The genetics of unlike reciprocal hybrids. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 4: 209-217. Jl.1929. (Rec'd Mr.1930). no.3.

Biol. Zentralbl. (Leipzig)
Geitler, L.
Studien über den formwechsel der pennaten diatomeen. Biol. Zentralbl. 50: 65-79. illus. 1930. no.2.

Kuhn, E.
Ueber kreuzungen des getrenntgeschlechtigen Thalictrum fendleri mit gemischtgeschlechtigen arten der gleichen gattung. Biol. Zentralbl. 50: 79-102. illus. 1930. no.2.

Blumen. u. Pflanzenb. (Berlin)
Müllers, L.
Pilzkrankheiten auf chrysanthemumblättern. Blumen u. Pflanzenb. 45: 32-33. illus. F.5, 1930. no.2.
Cidium chrysanthemi, Puccinia chrysanthemi, Septoria chrysanthemella.

Bol. Mus. Hist. Nat. Univ. Nac. Tucumán.
Zelada, F.
"Heterothalamus sparticides" Hook. y Arn. (n.v. pichana). Datos botanicos y quimicos. Bol. Mus. Hist. Nat. Univ. Nac. Tucumán. v.2, no.4. 21 p. illus., 1 pl. 1929.

Bot. Arch. (Leipzig)

Bokorny, T.

Eiweissschlaüche in einigen pflanzen, besonders landwirtschaftlichen nutzpflanzen. Bot. Arch. 28: 57-72. illus. Ja.1930. no.1/2.

English abstract.

Dembowski, J.

Karyologische studien an wurzelmeristemen höherer pflanzen. Bot. Arch. 28: 1-56. illus. Ja.1930. no.1/2.

English abstract.

Kattermann, G.

Ueber neutralsalzwirkungen bei pilzen und bakterien. Ein beitrag zum phyletischen ionenphänomen. Bot. Arch. 28: 73-176. illus. Ja.1930. no.1/2.

English abstract.

Marwinski, H.

Die rolle des nukleolus bei der fermentproduktion in keimenden samen. Bot. Arch. 28: 255-288. illus. Ja. 1930. no.1/2.

English abstract.

Papendieck, H.

Untersuchungen über die wechselseitigen beziehungen zwischen wasserstoffionenkonzentration und pflanzenkeimlingen. Bot. Arch. 28: 177-218. illus. Ja. 1930. no.1/2.

English abstract.

Weidlich, H.

Die bewegungsmechanik der variationsgelenke. Bot. Arch. 28: 219-254. illus. Ja. 1930. no.1/2.

English abstract.

Bot. Not. (Lund, Sweden)

Müntzing, A.

Einige beobachtungen über die zytologie der speltoidmutanten. Bot. Not 1930: 35-47. illus. 1930. no.1.

Murbeck, S.

Neue bastarde zwischen Celsia und Verbascum. Bot. Not. 1930: 1-12. 1930. no. 1.

Bot. Not. (cont.)

Qvarfort, S.
Tillägg till "Några anteckningar om floran i Helgesta socken av Södermanlands län". Bot. Not. 1930: 76-77. 1930. no.1.

Tjebbes, K.
Interfertile gruppen innerhalb einer selbsterilen form von Portulaca grandiflora Lindl. Bot. Not. 1930: 48-52. illus. 1930. no.1.

Witte, H.
Om vegetationen på on Stådsholmen i Västerviks skärgård. Bot. Not. 1930: 13-34. illus. 1930. no.1.

Bot. Tidsskr. (København)

Hansen, H. M. & Lund, M.
De danske arter af slaegten Cladonia med angivelse af deres udbredelse og forekomst. Bot. Tidsskr. 41: 1-80. illus., pl.i-iv. 1929. no.1.

Bryologist. (Pittsburg)

Andrews, A. L.
Holzinger's no. 663. Bryoligist. 32: 109. N.1929. (Rec'd Mr. 1930). no.6.
Pohlia proligera.

Blagg, B.
Moss notes from Cold Spring Harbor, Long Island, N.Y., July 1929. Bryologist. 32: 107. pl.vi. N.1929 (Rec'd Mr.1930). no.6.

Cavanagh, L.M.
Mosses new to Iowa. Bryologist. 32: 112-113. N.1929 (Rec'd Mr.1930) no.6.

Gray, R. W.
Polytrichum strictum in West Virginia. Bryologist. 32: 113-114. N.1929 (Rec'd Mr.1930). no.6.

Grout, A. J.
Vermont mosses again. Bryologist. 32: 105, 107. N.1929 (Rec'd Mr.1930). no.6.

Moxley, E.A.
Mosses of unusual growth or unusal habitat. Bryologist. 32: 108-109. N.1929. (Rec'd Mr.1930). no.6.

Bryologist. (cont.)
Pitman, E. M.
Journeying with lichens and hepatics in Maine. Bryologist. 32: 110-111. N. 1929 (Rec'd Mr. 1930) no.6.

Bulet. Grad. Bot. Univ. Cluj. (Roumania)
Bujorean, Gh.
Atmometru de pamânt. Un nou aparat in slujba ecologiei. Bulet. Grad. Bot. Univ. Cluj. v.9, Appendix 1. 22 p. illus. 1929.

Bull. Agence Gén. Colon. France. (Paris)
Hamet, A. & Heim de Balsac, H.
Écorces palétuviers de Madagascar études complémentaires. I. Écorce de"tsitolona (Bruguiera gymnorrhiza Lamk.) Bull. Agence. Gen. Colon. France. 23; 77-83. Ja.1930. no.252.

Heim de Balsac, F., Deforge, A., Heim de Balsac, H., Maheu, J. & Lefèvre, L.
Valeur papetière des tiges de "sissorko". (Saccharum spontaneum L.) du Cameroun. Bull. Agence Gen. Colon. France. 23: 69-76. illus. Ja. 1930. no.252.

Bull. Sci. Stat. Amél. Plant. Salonique.
Papadakis, J. S.
Formes grecques de blé. Bull. Sci. Stat. Amél. Plant. Salonique. 13. 61 p. plates. 1929.

Bull. Soc. Chim. France. (paris)
Bertrand, G. & Silberstein, L.
Importance relative du soufre et du phosphore dans la nutrition des plantes. Bull. Soc. Chim. France. IV, 47: 99-102. Ja. 1930. no.1.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)
Killian, C.
Développement et biologie de l'Amborsinia bassii L. Bull. Soc. Hist. Nat. Afr. Nord. 20: 257-278. illus. pl.xvi-xviii. D.15, 1929. no.9.

Maire, R.
Champignons nord-africains nouveaux ou peu connus. (cont.). Bull. Soc. Hist. Nat. Afr. Nord. 20: 279-282. illus., pl.xix. D.15, 1929. no.9.
Phellorina gigantea, Milesina wilczekiana, Tilletia bromina, n.spp.-

Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ.

Igaki, S.

Quantitative changes of the constituents of each part of tobacco during growth. Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ. 3: 317-326. D.1929. no.4.

Japanese with English résumé.

Takeuchi, H.

Penicillium rots of citrus fruits. Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ. 3: 333-449. illus. D.1929. no.4.

Japanese with English résumé.

P. fructigenum n.sp.

Takiguti, Y.

Effects of the reducing leaf area on the yields and quality of rice. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 3: 350-357. D.1929. no.4.

Japanese with English résumé.

Yoshii, H.

A leaf spot or blight disease of Ricinus communis L., caused by Macrosporium ricini. Bult. Sci. Fak. Terkult. Kjûsu Imp. Univ. 3: 327-332. pl.2. D.1929. no.4.

Japanese with English résumé.

Canad. Journ. Res. (Ottawa)

Jenkins, J. A. & Thompson, W.P.

Chromosome conditions in the second and third generations of pentaploid wheat hybrids. Canad. Journ. Res. 2: 162-170. F. 1930. no.2.

Canad. Woodl. Rev.

Spaulding, P.

Relation of pathology to forestry in the northeast. Canad. Woodl. Rev. 1(3): 7-8,18. illus. Jl. 1929. no.3.

Chem. Rundsch. Mitteleuropa & Balkan. (Budapest)

Iwanow, S.

Die faktoren des oelbildungsprozesses in den pflanzen. Chem Rundsch. Mitteleuropa & Balkan. 7: 115-117 (i.e. 1-3), 9-11. Ja.11, F.11, 1930. no.1,2.

Compt. Rend. Acad. Agr. France. (Paris)

Nicolas, G.

Un parasite dangereux pour le blé en Bearn, "Septoria glumarum Passer". Compt. Rend. Acad. Agr. France. 16: 250-256. F.19, 1930. no.7.

Compt. Rend. Acad. Sci. Paris.

Bridel, M, & Rabaté, J.

Variations dans la composition des rameux frais de l'amélanchier (Amelanchier vulgaris Moench) au cours de la végétation d'une année. Compt. Rend. Acad. Sci. Paris. 189: 775-777. N.4, 1929. no.19.

Guerin, P.

L'acide cyanhydrique chez les vesces. Sa répartition dans les divers organes des légumineuses-papilionacées à glucoside cyanogénétique. Compt. Rend. Acad. Sci. Paris. 190: 512-514. F.24, 1930. no.8.

Hocquette, M.

Influence de la décalcification et de l'acidité des sables littoraux sur la végétation. Compt. Rend. Acad. Sci. Paris. 190: 514-516. F.24, 1930. no.8.

Maublanc, A. & Malençon, G.

Sur la nature et l'organisation de la gleba du Battarrea guicciardiniana Ces. Compt. Rend. Acad. Sci. Paris. 190: 510-512. F.24, 1930. no.8.

Compt. Rend. Soc. Biol. Paris.

Eichhorn, A.

Action des colorants vitaux sur la croissance des racines. Compt. Rend. Soc. Biol. Paris. 103: 374-376. F.14, 1930. no.6.

Curt. Bot. Mag.

Curt. Bot. Mag. v.153, pt.3 col. pl.9184-9194. F.17,1930.

Hippeastrum candidum, Meconopsis betonicifolia, Rhododendron forrestii, Acradenia frankliniae, Ranunculus psilostachys, Primula baileyana, Rhododendron wasonii, Sarcopodium lyonii, Prunus pilosiuscula, Tsuga chinensis, Orobanche uniflora.

Farming South Africa. (Pretoria)

Black discolouration of pears around the calyx. Farming South Africa. 4: 560. illus. F.1930. no.47.

Cause undetermined.

Leemann, A.

Smut in cereals. Farming South Africa. 4: 555-558. illus. F.1930. no.47.

Florida Grow. (Tampa)

Mowry, H.

Planting tung oil trees. Florida Grow. 38(3): 10, 31. illus. Mr.1930.

Forstw. Centralbl. (Berlin)

Hauptfleisch, K.

Pflanzenkrankheiten und welthandel. Forstw. Centralbl. 52: 74-90. F.1, 1930. no.3.

Fortschr. Landw. (Vienna)

Buchinger, A.

Vererbungsstudien über die glasigkeit und mehligkeit beim weizen und deren beziehungen zur saugkraft. Fortschr. Landw. 5: 131-132. F.15, 1930. no.4.

Hafekost, G.

Saugkraftmessungen an zucker- und futterrüben. Fortschr. Landw. 5: 175-177. Mr.1, 1930. no.5.

Pop, G.

Saugkraftmessungen an rumänischen weizensorten. Fortschr. Landw. 5: 125-128. F.15, 1930. no.4.

Sandu-Ville, C.

Saugkraftmessungen an leguminosen. Fortschr. Landw. 5: 129-131. F.15, 1930. no.4.

Werneck, H. L.

Der sandhafer (Avena strigosa Schreber). Fortschr. Landw. 5: 170-173. illus. Mr.1,1930. no.5.

Gard. Chron. (London)

Brown, N.E.

Mesembryanthemum. (cont.) Mossia, Enarganthe. Gard. Chron. III, 87: 151. F.22,1930. no.2252.

Gard. Chron. (cont.)

Butler, A. F.

The pejibaye or chontadura palm. Gard. Chron. III, 87: 167. Mr.1,1930. no.2253.

Bactris utilis, a neglected food plant of Central America.

Foister, C. E.

Blossom blight and shanking of tulips. Gard. Chron. III, 87: 171-172. Mr.1,1930. no.2253.

Grove, A.

Plantae chinensis forrestianae. Gard. Chron. III, 87: 148-149. illus. F.22, 1930. no.2252.

Henry, A.

Lilium melpomene. Gard. Chron. III, 87: 146. F.22, 1930. no.2252.

Not a variety of L. speciosum but a hybrid formed by crossing L. speciosum with some other species.

Trees and shrubs for chalky soils. Gard. Chron. III, 87: 164-165. Mr.1,1930. no.2253.

Signed: N.C.

[illegible]

Vegetation of the Mackenzie River Valley. Gard. Chron. III, 87: 169-170. Mr.1, 1930. no.2253.

Gard. Chron. Amer. (New York)

White, T. H.

Diseases of plants. Gard. Chron. Amer. 32: 113-114. Mr.1930. no.3.

Gartenw. (Berlin)

Werth, A. J.

Vergleichende betrachtungen über Primula obconica-samen. Gartenw. 34: 90-91. illus. F.14, 1930. no.7.

Genetics. (Menasha, Wisc.)

Allen, C. E.

Gametophytic inheritance in Sphaerocarpos. IV. Further studies of tuftedness and polyclady. Genetics. 15: 150-188. Mr.1930. no.2.

Genetics. (cont.)

Hollingshead, L.

A lethal factor in Crepis effective only in an interspecific hybrid. Genetics. 15: 114-140. illus. Mr.1930. no.2.

Thompson, W. P.

Shrivelled endosperm in species crosses in wheat, its cytological causes and genetical effects. Genetics. 15: 99-113. illus. Mr.1930. no.2.

Gentes herbarum.

Bailey, L.H.

Gentes herbarum. 5-6. 2:119-156. illus. Mr. 1930. no.3.

5. Hosta: the plantain-lilies.
6. Hemerocallis: the day-lilies.

Gladiolus Rev. (Goshen, Ind.)

Tilford, P.E.

Gladiolus disease control. Gladiolus Rev. &: 95-97, 134. Mr.1930. no.3.

Illus. Canad. For. & Outdoors.

Bell, W. A.

Trees, - 100,000,000 years ago. Illus. Canad. For. & Outdoors, 26: 151-153, 162. illus. Mr.1930.

Faull, J. H.

The health of the forests. Illus. Canad. For. & Outdoors. 26: 146-148, 162. illus. Mr.1930. no.3.

Industr. & Engin. Chem. (Easton, Pa.)

Kraybill, H. R.

Plant metabolism studies as an aid in determining fertilizer requirements. I. Industr. & Engin. Chem. 22: 275-276. Mr.1930. no.3.

Ital. Agr. (Milan)

Topi, M.

Un vigneto sperimentale di ibridi produttori. Ital. Agr. 67: 37-49. illus. Ja.1930. no.1.

Journ. Biol. Chem. (Baltimore)

Hauge, S. M.

An inheritance study of the distribution of vitamin A in maize. II-III. Journ. Biol. Chem. 86: 161,-165, 167-172. Mr.1930. no.1.

II. Vitamin A in hybrid red maize. III. Vitamin A content in relation to yellow endosperm.

J.F. Trost joint author III.

Journ. Bot. (London)

Baker, E. G.

Charles Edgar Salmon, (1872-1930). Journ. Bot. 68: 50-52. port. F.1930. no.806.

A list of his principal botanical papers: p.52-53. - A personal note by G. R. Stirling Taylor: p.53.

Bennett, A., Salmon, C.E. & Matthews, J.R.

Second supplement to Watson's "Topographical botany" (cont.). Journ. Bot. 68(suppl.): 65-72. F.1930. no.806.

Blake, S.F.

Wedelia comaxillaris Blake, sp.nov. Journ. Bot. 68: 48-49. F.1930. no.806.

Gates, R. R.

Pentamerous flowers in Oenothera novae-scotiae and its hybrid with Oe. amophila. Journ. Bot. 68: 44-46. F.1930. no.806.

Ridley, H. N.

Myrtaceae malayensis (concl.). Journ. Bot. 68: 33-39. F.1930. no.806.

Taylor, G.

Gazania venusta Taylor, sp.nov. Journ. Bot. 68: 49-50. F.1930. no.806.

Thompson, H. S.

Drought and vegetation at Blagdon Reservoir. Journ. Bot. 68: 46-48. F.1930. no.806.

Journ. For. (Washington, D.C.)

Harvey, R. B.

Length of exposure to low temperature as a factor in the hardening process in tree seedlings. Journ. For. 28: 50-53. illus. Ja.1930 (Mr.) no.1.

Kelley, A. P.

Mycorrhizal studies. I- Journ. For. 28: 34-41. illus. Ja.1930 (Mr.) no.1.

I. Mycorrhiza of Mont Alto nursery stock.

Scheffer, T. C.

Sterilization of coniferous seed-beds with low-pressure steam. Journ. For. 28: 42-49. illus. Ja.1930. (Mr.) no.1.

Journ. Hered. (Washington)

Beadle, G.W.

Slit leaf blade. Heritable characters in maize XXXIII. Journ. Hered. 21: 45-48. illus. Ja. 1930 (Rec'd Mr.) no.1.

Robinson, T.R.

Pollen sterility in the Collinson avocado. Journ. Hered. 21: 35-38. illus. Ja.1930 (Rec'd Mr.) no.1.

Stadler, L. J.

Some genetic effects of x-rays in plants. Journ. Hered. 21: 3-19. illus. Ja.1930. (Rec'd Mr.) no.1.

Experimental material has included various plant species, chiefly barley and maize.

Woodroof, J. G. & Woodroof, N.C.

Abnormalities in pecans, I. Abnormalities in pecan flowers. Journ. Hered. 21: 39-44. illus. Ja. 1930 (Rec'd Mr.) no.1.

Journ. Indian Inst. Sci. (Madras)

Sastri, B.N. & Sreenivasaya, M.

Contributions to the study of spike-disease of sandal (Santalum album, Linn.) Part VII-IX. Journ. Indian Inst. Sci. 12A: 232-238, 239-244, 245-250. 1929. no.17.

VII. Factors influencing diastatic activity.

VIII. Chemical composition of tissue fluids from the leaf.

IX. Chemical composition of tissue fluids from the stem.

M. Sreenivasaya, first author in VIII & IX.

Varadaraja, Iyengar, A. V.

Contributions to the study of spike-disease of sandal (Santalum album, Linn.) Part X. Seasonal studies on healthy and partially spiked trees. Journ. Indian Inst. Sci. 12A: 295-305. 1929. no.20.

Journ. N. Y. Bot. Gard.

Benedict, R. C.

What ferns grow best in the house. Journ. N.Y. Bot. Gard. 21: 47-49. F.1930. no.362.

Abstract of lecture.

Journ. N.Y. Bot. Gard.

Dodge, B.O. & Swift, M.E.

Further notes on iris troubles. Journ. N.Y. Bot. Gard. 31: 25-34. illus. F.1930(Mr.), no.362.

Soil sterilization experiments (Bacterial soft rot, damping-off and insect troubles)

Levine, M.

The tumors of plants and how they differ from animal cancer. Journ. N.Y. Bot. Gard. 31: 50-51. F.1930 (Mr.), no.362.

Abstract of lecture.

Small, J. K.

Chronicle of eastern American iris. Journ. N. Y. Bot. Gard. 31: 40-45. F.1930 (Mr.), no.362.

Stout, A. B.

The new species Hemerocallis multiflora. Journ. N.Y. Bot. Gard. 31: 34-39. illus. F.1930. (Mr.), no.362.

Journ. Washington Acad. Sci.

Killip, E.P. & Smith, A.C.

The idantity of the South American fish poisons "cube" and "timbo". Journ. Washington Acad. Sci. 20: 74-81. illus. Mr.4, 1930. no.5.

Lonchocarpus nicon (cube), L.floribundus and a new spec. L. urucu (timbó urucu)

Kranke Pflanze. (Dresden)

Esmarch, F.

Rauchschäden an landwirtschaftlichen kulturpflanzen. (concl.). Kranke Pflanze. 7: 18-23. F.1930. no.2.

Lingnam Sci. Journ. (Linghaam Agr. Rev.) (Canton, China)

Walker, E. H.

Fifty-one common ornamental trees of the Lingnam University campus. Lingnam Sci. Journ. (Lingnaam Agri. Rev.) 6:1-166. illus., 1 pl. Je.1928. (Rec'd Mr.1930). no.1/2.

Maataloustiet. Aikak. [Agric. Mag] (Helsingfors)

Pesola, V. A.

Ristikukkaisten musta mätä (Bacterium campestre (Pammel) Smith). Maataloustiet. Aikak. [Agric. Mag.] 1: 117-124. illus. 1929. no.3/4.

Finnish with brief English summary.

Maataloustiet. Aikak. [Agric. Mag.] (cont.)

Teräsvuori, K.

Hernemuodoista (Ueber erbsenformen). Maataloustiet. Aikak. [Agric. Mag.] 1: 108-116. 1929. no.3/4.

Finnish with German summary.

Matieres Grass. (Paris)

Pieraerts, J., Adriaens, J. & Meulenberg, J.

Contribution à l'étude chimique d'une sapotacée arborescente du Congo belge. Une nouvelle source d'obtention facile rapide d'acide stéarique pur. Matières Grass. 22: 8757-8758. F.15, 1930. no.262.

Meded. Deli Proefst. Medan, Sumatra.

Kuijper, J. & Jochems, S.C.J.

Mimosa invisa, hare rol in de Deli-tabakscultuur en hare biologie. Meded. Deli Proefst. Medan, Sumatra. II, no.63. 140 p. 4 pl. [1929?]

English summary: p.139-140.

Meded. Landbouwhoogesch. Wageningen.

Boonstra, A.E.H.R.

Differences in vitality of the leaves of four varieties of oats as connected with the yield. Meded. Landbouwhoogesch. Wageningen. v.33, no.6. 20 p. illus. (diagrs.) 1929?

Elze, D.L. & Quanjer, H. M.

Phloeemnecrose en netnecrose van de aardappel in Amerika en Europa. (Phloemnecrosis and netnecrosis of the potato in America and Europe). Meded. Landbouwhoogesch. Wageningen. v.33, no.8. 10p. 2 pl. 1929.

Dutch with English summary.

Kerling, L.C.P.

Microscopisch onderzoek van pseudonetnecrose en kringerigheid van de aardappel. (Microscopical investigation of pseudonetnecrosis and kringerigheid of the potato). Meded. Landbouwhoogesch. Wageningen. v.33, no.10. 17 p. illus. 1929.

Dutch with English summary.

Oosting, W.A.J.

On the accuracy of electrometric and colorimetric methods for determining P_h values of soils. Meded. Landbouwhoogesch. Wageningen. v.33, no.4. 50 p. 1929.

Meded. Landbouwhoogesch. Wageningen. (cont.)

Quanjer, H.M. & Botjes, J.G.0.

Aardappelziekten van het "stippelstreep" - en "topnecrose" - type en het vraagstuk der latentie en physiologische specialisatie. (Potato disease of the streak- en netnecrosis-type and the problem of "carriers" and physiological specialization). Meded. Landbouwhoogesch. Wageningen, v.33, no.7. illus. 44 p. 1929.

Dutch with English summary.

Quanjer, H.M., Thung, T.H. & Elze, D.L.

"Pseudonetnecrose" van de aardappel. (Pseudonetnecrosis of the potato) Meded. Landvouwhoogesch. Wageningen. v.33, no.9. 10 p. pl. 1929.

Transmitted by Myzus persicae.

Dutch with English summary.

Wellensiek, S. J.

The physiology of tuber-formation in Solanum tuberosum L. (Met een Hollandse samenvatting: De physiologie der knolvorming bij de aardappel). Meded. Landbouwhoogesch. Wageningen. v.33, no.11. 42 p. illus. 1929.

Mem. Dept. Agr. India. Bot. Ser.

Dastur, J. F.

Cotton wilt. Mem. Dept. Agr. India Bot. Ser. 17: 29-73. pl. i-vi. O.1929. no.3.

Mem. Imp. Coll. Trop. Agr. Trinidad. Mycol. Ser.

Leach, R. & Wright, J.

Collar and stem canker of (Cajanus inducus) pigeon pea. Mem. Imp. Coll. Trop. Agr. Trinidad. Mycol. Ser. no.1. 4 p. 8 pl. on 4. F.1930.

Physalospora sp.

Misc. Publ. Gt. Brit. Min. Agr. & Fish. (London)

Gt. Britain. Ministry of Agriculture and fisheries.

Report on the occurrence of fungus, bacterial and allied diseases of crops in England and Wales for the years 1925, 1926 and 1927. Its Misc. Publ. 70. 75 p. 1929.

Cover title; Fungus and allied diseases of crops.

Misc. Publ. Gt. Brit, Min. Agr. & Fish. (cont.)
Gt. Britain. Ministry of agriculture and fisheries.
Rice grass: its economic possibilities. Its Misc. Publ. no.66. 24 p. 6 pl. on 3. 1929.
Spartinia townsendii.

Long, H. C.
Weeds of arable land. Misc. Publ. Gt. Brit. Min. Agr. & Fish. no.61. 139 p. 91 pl. on 46. 1929.

Missouri Bot. Gard. Bull. (St. Louis)
Linder, E. A.
The growing of orchids from seed. Missouri Bot. Gard. Bull. 18: 29-36. pl.2-8 F.1930. no.2.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Beck, A.
Versuche zur verhütung und bekämpfung der parasitichen erkrankungen der kulturpflanzen. (concl.) Möller's Deut. Gärtn.-Zeit. 45: 63-64. F.21, 1930. no. 6.

Mycologia. (Lancaster, Pa.)
Ciferri, R. & Ashford, B. K.
A new Porto Rican species of Acremoniella. Mycologia. 22: 62-68. illus. Mr. 1930. no.2.
A. olivaespora.

Davidson, J. E.
Notes on the Agaricaceae of Vancouver. (B.C.) district. I. Mycologia. 22: 80-93. Mr.1930. no.2.

Jacot, A. P.
Moss-mites as spore-bearers. Mycologia. 22: 94-96. illus. Mr. 1930. no.2.

Murrill, W. A.
Bresadola. Mycologia. 22: 49-50. pl.10. (port.) Mr. 1930. no.2.

Seaver, S. J.
Photographs and descriptions of cup-fungi. X. Ascotremella. Mycologia. 22: 51-54. pl.11-12. Mr./Ap.1930. no.2.

Mycologia. (cont.)

Sinden, J. W. & Fitzpatrick, H.M.

A new Trichoglossum. Mycologia. 22: 55-61. pl.13. Mr.1930. no.2

T. tetrasporum.

Whetzel, H.H.

A monographic study of Cercospora species of the world. Mycologia. 22: 101-102. Mr. 1930. no.2.

Taxonomic study of Cercospora of the world is being carried through by Dr. Charles Chupp of the Plant Pathology Department at Cornell University- Not yet published.

Zahlbruckner, A.

New species of lichens from Porto Rico. III. Mycologia. 22: 69-79. Mr.1930. no.2.

Zundel, G. L.

Notes on Pennsylvania Ustilaginales. I. Mycologia. 22: 97-100. Mr.1930. no.2.

Nat. Greenkeeper. (Cleveland, O.)

Grantham, A.E.

Functions of the three plant food elements. Nat. Greenkeeper. 4(3): 11-12, 14, 16, 50. Mr. 1930. no.3.

Nature. (London)

Gates, R.R. & Daran, D.V.

Zygospore formation in mucors. Nature. 125: 309. Mr.1. 1930. no.3148.

Sprague, T. A.

Botanical nomenclature. Nature. 125: 310. Mr.1, 1930. no.3148.

New Zeal. Journ. Agr. (Wellington)

Allan, H.H.

Woolly finger-grass. New Zeal. Journ. Agr. 40: 28-30. illus. Ja.20, 1930. no.1.

Digitaria eriantha var. stolonifera.

Peterm. Mitt. (Gotha)
Eckardt, W. R.
Das akklimatisationsproblem der pflanzen. Peterm. Mitt. 76: 30-31. 1930. no.1/2.

Pflanzenbau. (Berlin)
Hartmann, H.
Beiträge zur morphologisch-anatomischen systematik der landwirtschaftlich wichtigen schwingelarten und untersuchungen über physiologische standortsbeziehungen. Pflanzenbau. 3: 71-123. illus. F.11, 1930. no.1.

Hiltner, E.
Der tau und seine bedeutung für den pflanzenbau. Eine theorie über die physiologische bedeutung der wasseraufnahme durch oberirdischen pflanzenorgane. Pflanzenbau. 3: 1-70. illus. F.11, 1930. no.1.

Philipp Journ. Sci. (Manila)
Quisumbing, E.
New or interesting Philippine plants. I. Philipp. Journ. Sci. 41: 315-371. illus., pl. 1-3. Mr. 1930. no.3.

Planta Arch.Wiss. Bot. (Berlin)
Baron, M.
Analyse der mitogenetischen induktion und deren bedeutung in der biologie der hefe. Planta Arch. Wiss. Bot. 10: 28-83. illus. F.8,1930. no.1.

Baule, B.
Spekulative wachstumsforschung. Planta Arch. Wiss. Bot. 10: 84-107. illus. F.8, 1930. no.1.

Boonstra, A.E.H.R.
Die nichtkontinuierliche assimilation der laubblätter unter natürlichen verhältnissen. Planta Arch. Wiss. Bot. 10: 108-119. illus. F.8,1930. no.1.

Iljin, W.S.
Der einfluss des welkens auf den ab-und aufbau der stärke in der pflanze. Planta Arch. Wiss. Bot. 10: 170-184, F.8, 1930. no.1.

Planta Arch. Wiss. Bot. (cont.)

Jaretzky, R.

Zur zytologie der Fagales. Planta Arch. Wiss. Bot. 10: 120-137. illus. F.8, 1930. no.1.

Overbeck, F.

Mit welchen druckkräften arbeitet der schleudermechanismus der spritzgurke? Untersuchungen an Ecballium elaterium Rich. Planta Arch. Wiss. Bot. 10: 138-169, illus. F.8, 1930. no.1.

Wagner, N.

Ueber die mitosenverteilung im meristem der wurzelspitzen. Planta Arch. Wiss. Bot. 10: 1-27. illus. F.8, 1930. no.1.

Proc. Biol. Soc. Washington.

McAtee, W. L.

Seventh supplement to the flora of the District of Columbia. Proc. Biol. Soc. Wash. 43: 21-54. Mr. 12, 1930.

Res. Stud. State Coll. Washington. (Pullman)

Jones, G. N.

Moss flora of southeastern Washington. Res. Stud. State Coll. Washington. 1: 115-151, 155-192. illus. (map): Ja.1,15, 1930. no.3,4.

Rev. Bot. Appl. (Paris)

Kopp, A.

Quelques problèmes botaniques relatifs à la canne à sucre. Rev. Bot. Appl. 10: 30-36. Ja. 1930. no.101.

Tisserant, Ch.

Plantes à filasse employées par les bandas du Haut-Oubangui (Afrique équitoriale française). Rev. Bot. Appl. 10: 10-15. Ja.1930. no.101.

Rev. Hort. (Paris)

Delafon, F.

La désinfection par le formol. Rev. Hort. 102: 38-39. F.16, 1930. no.2.

Jahandiez, E.

Kalanchoe ornementaux de Madagascar. Rev. Hort. 102: 32-33. col.pl. F.16, 1930. no.2.

K. tubiflora, K.verticillata, K. daigremontiana.

Rev. Hort. (cont.)

Lesourd, F.

Les plus gros arbres de France. (cont.) Rev. Hort. 102: 31-32. F.16, 1930. no.2.

Carpinus betulus, C. betulus pyramidale, Koelreuteria paniculata, Prunus pissardii.

Rhodora. (Boston)

Bishop, H.

The Austin collection from the Labrador coast. Rhodora. 32: 59-62. Mr. 1930. no.375.

Fassatt, N.C.

Notes from the herbarium of the University of Wisconsin. V. Rhodora. 32: 57-59. Mr.1930. no.375.

Stebbins, G. L., jr.

A revision of some North American species of Calamagrostis. Rhodora, 32: 35-57. pl. 195. Mr. 1930. no.375.

Riv. Patol. Veg. (Pavia)

Lindegg, G.

Marciume del colletto di piantine di cotone appena germinanti. Riv. Patol. Veg. 20: 9-17. illus. Ja./F.1930. no.1/2.

Pasinetti, L.

Prove di devitalizzazione dei semi di cuscuta nel terreno con l'acido monocloracetico. Riv. Patol. Veg. 20: 1-8. Ja./F.1930. no.1/2.

Roczn. Nauk. Rolnicz. i Lésn. (Polish Agr. & For. Ann.) (Poznań)

Schramm, W.

Wpływ mrozów na szatę leśną przedgórza środkowo-karpackiego (Der einfluss der fröste auf die walder des Mittelkarpathen-vorgebirges). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 23: 309-350. illus. 1930. no.2.

German summary: p.349-350.

Science. (Lancaster, Pa.)

Clark, N.A.

"Auximones" and the stimulation of Lemna by organic matter. Science. 71: 268-269. Mr.7, 1930. no.1836.

Science. (cont.)

Robinson, B.L. & Wilcox. L.C.

The Gray herbarium card index. Science. 71: 253-256. Mr.7, 1930. no.1836.

Newly described and renamed plants of America.

Sheard, C. & Johnson, A.F.

The effects of infra-red, visible and ultra-violet irradiation on changes in electrical potentials and currents in plants. Science. 71: 246-248. F.28, 1930. no. 1835.

Science News Letter.

Leaves older than Grand Canyon found. Science News Letter. 17:147. illus. Mr.8, 1930.

Discovery of Dr. David White of the U.S. Geological Survey.

Also in Science. v.71, no.1836. suppl.: x-xii. Mr.7, 1930.

Scient. Agr. (Ottawa)

Buckley, G.F.H.

Inheritance in barley with special reference to the color of caryopsis and lemma. Scient. Agr. 10: 460-492. Mr.1930. no. 7.

Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. (Bonn)

Braun-Blanquet, J.

Pflanzensoziologische beobachtungen in der Nordeifel. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1928(D): 47-52. 1929.

Andres, H.

Weitere zusätze zur "Monographie der rheinischen Pirolaceae". Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1928(D): 36-46. 1929.

Hannig, E.

Ueber experimentelle systematik der blütenpflanzen. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1928(B): 2-16. 1929.

Ludwig, A.

Galeopsis dubia Leers x angustifolia Ehrb. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1928(C): 1-7. 1929.

Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. (cont.)

Schmidt, K. W.

Beitrag zur kenntnis der rechtsrheinisch vorkommenden hymenomyceten und gasteromyceten sowie einiger ascomyceten, unter hinzufügung mehrerer linksrheinischer funde. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1928(D): 53-64. 1929.

Schumacher, A.

Beiträge zur moosflora des Nutscheids. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1928 (D): 23-35. 1929.

So.African Gard. (Johannesburg)

Bolus, L.

Mesembrianthemum and allied genera. (cont.) So. African Gard. 20: 48. illus. F.1930. no. 2.

Echinus geminatus, Glottiphyllum difforme, Aloinopsis aloides.

K. Svenska Vetensk. Akad. Handl. (Stockholm)

Hultén, E.

Flora of Kamtchatka and the adjacent islands. III. Dicotyledoneae, Droseraceae - Cornaceae. K. Svenska Vetensk. Akad. Handl. III, v.8, no.1. 213 p. illus., 3 pl. maps. 1929.

Sver. Utsädesför. Tidskr. (Svalof)

Rasmusson, J.M.

Några erfarenheter angående betnematodernas utbredning i Skåne. (Some investigations upon the occurrence of beet nematodes in Scania.) Sver. Utsädesför. Tidskr. 39: 291-316. illus. 1929. no.6.

English summary.

Torreya.

Ferguson, W. C.

Contributions to the flora of Long Island, New York, 5th paper. Torreya. 30: 9-14. Ja./F. 1930. no.1.

Gleason, H. A.

Back yard botanizing. Torreya. 30: 1-6. Ja./F. 1930. no.1.

Bronxville, N.Y.

Hein, I.

Chemical simulation of organisms for class use. Torreya. 30: 15-18. pl. Ja./F. 1930. no.1.

Torreya. (cont.)

Torrey, R. H.

Sibbaldiopsis tridentata found in the Catskills. Torreya. 30: 19-20. Ja./F. 1930. no.1.

Trudy Prikl. Bot., Gen. i. Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (Leningrad)

Aleksandrov, V.G. & Aleksandrova, O.G.

... On tyllosis and obliteration of vessels with spiral bands. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 611-624. illus. 1929.

Russian with English summary.

Hemp.

Emme, E. K.

... Ueber pentaploide haferbastarde. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 585-610. illus., pl. 1929.

Russian with English summary.

Flaksberger, K.

... Liguleless club wheats of Roshan and wheats of Pamir. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 93-126. illus. 1929.

Russian with English summary.

Il'inski, A.P. & Posel'skaja, M.A.

... A contribution to the question of the associability of plants. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 459-474. 1929.

Russian with English summary.

Ivanov, N.N.

On the variability and stability of the chemical composition of the cultivated plants. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20:213-281. 1929.

Russian with English summary.

Karpechenko, G.D. & Sorokina, O.N.

... The hybrids of Aegilops triuncialis L. with rye. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 20: 563-584. illus. 1929.

Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (cont.)

Khinchuk, A.G.

... On the genetics of Triticum timopheevi Zhuk. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 20: 635-654. illus., 2 fold. pl., 2 fold. tab. 1929.

Russian with English summary.

Kobranov. N.P.

... A contribution to the question of the origin of the Robinia pseudoacacia var. monophylla Kirchn. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 435-457. 1929.

Russian with English summary.

Kuleshov, N.N.

... The geographical distribution of the varietal diversity of maize in the world. Trudy Prikl. Bot., Gen. i.Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 475-510. illus. 1929.

Russian with English summary.

Kuznetsov, V.A.

... Materials for the determination of the most important forage Trifolieae by the structure of their leaves. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 155-168. illus. 1929.

Russian with English summary.

Maksimov, N.A.

... Physiological factors controlling the length of the vegetative period. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 169-212. illus. 1929.

Russian with English summary.

Mal'tsev. A. I

... Neues system der sect. Euavena Griseb. Trudy Prikl. Bot., Gen.i Selek. (Bull. Appl. Bot. & Plant-breed.) 20: 127-154. 1929.

Russian with English summary.

Matskevich. V.I.

... The carrot of Afghanistan. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 517-562. illus. v col.pl. 1929.

Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (cont.)

Orlov, A. A.

... The barleys of Abysinnia and Eritrea. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 283-345. illus. 1929.

Russian with English summary.

Rybin, V. A.

... Karyological investigations on some wild growing and indigenous cultivated potatoes of America. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 655-720. illus. 1929.

Russian with English summary.

Vavilov, N. I.

... The cultivated plants of the Oasis of Khiva (Khoresm) (A botanico-agronomical essay). Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 1-91. illus. 1929.

Russian with English summary.

Wulff, E. V.

...The Caucasian species of Digitalis. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 20: 347-357. 1929.

Russian with English summary (D. ferruginea, D. ambigua, D. nervosa, D. ciliata).

U. S. Dept. Agr. Plant Dis. Rep.

Zaumeyer, W. J.

Bean diseases in western United States in 1929. U. S. Dept. Agr. Plant Dis. Rep. 14: ~~38~~43. Mr.1, 1930. no.5.

U.S. Dept. Agr. Miscellaneous mimeographed publ.

Swingle, W. T. & Robinson, T. R.

The Kawano Wase variety of Satsuma oranges. Washington, F.1930.

Mimeographed Publ. off. Hort. Crops & Dis. Bur. Plant Ind. U.S. Dept. Agr.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)

Goodspeed, T. H.

Inheritance in Nicotiana tabacum. IX. Mutations following treatment with x-rays and radium. Univ. Calif. Publ. Bot. 11: 285-298. illus. F.15, 1930. no.16.

Ver. Naturh. Ver. Preuss. Rheinl. u. Westf.

Budde, H.

Pollenanalytische untersuchung der moore auf der Hofginsberger heide bei Hilchenbach. Verh. Naturh. Ver. Preuss. Rheinl. u. Westf. 85: 98-105. illus. 1929.

Dening, K.

Entwicklungsgeschichtliche untersuchungen am gametophyten von Buxbaumia aphylla (L.) Verh. Naturh. Ver. Preuss. Rheinl. u Westf. 85: 306-344. illus. pl. xi-xii. 1929.

Vestnik Českosl. Akad. Zemed. (Praha)

Appl, Jan.

Další výzkumy o štěpení křížence mezi marjánkou a dobromyslí (Origanum majorena L. x Origanum vulgare L. v F_2-a F_3 generaci). Věstník Českosl. Akad. Zemed. 6: 156-161. F.1930. no.2.

German summary.

Šimon, J.

Vliv některých dráždivých zátek na klíčení a zkracování období rustového odpočinku bramborové sadby. (Der einfluss einiger reizstoffe auf die keimung und der verkurzung der periode der wachstumsruhe bei den saatkartoffeln). Věstník. Českosl. Akad. Zeměd. 6: 169-173. F.1930. no.2.

German summary.

Smolík, L.

Vlhkost půdy při odumření ječmene. (The soil moisture at the perish of the barley). Věstník Českosl. Akad. Zeměd. 6: 166-169. F.1930. no.2.

English summary.

Washington Hist. Quart. (Seattle)

Rigg, G. B.

Notes on the history of botany in the state of Washington. Washington Hist. Quart. 20: 163-173. Jl. 1929 (Rec'd Mr.1930) no.3.

Yearbk. Carnegie Inst. Washington.
Spoehr, H. A.
Division of plant biology. Yearbk. Carnegie Inst. Washington. 28(1928/29): 161-208. pl. 1929 (Rec'd Mr.1930).
Growth. D.T. MacDougal - Photosynthesis and carbohydrate chemistry. H. A. Spoehr, H. H. Strain & others - Experimental taxonomy. H.M. Hall, D.D. Keck, W. M. Heusi - Desert investigations. F. Shreve G. Sykes, E.B. Shreve & others - Ecology. F. E. Clements, F. Long, A. E. Douglas & others. - Researches in paleobotany, R. W. Chaney, G. R. Wieland - Cytological investigations. J. Belling.

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin)
Berg, Fr.
Roggenzüchtung. Zeitschr. Zücht. A. Pflanzenzucht. 15: 31-40. illus. Ja.1930. no.1.

Bleier, H.
Die bedeutung der cytologie für die pflanzenzüchtung. Zeitschr. Zücht. A. Pflanzenzucht. 15: 1-7. Ja.1930. no.1.

Boeker, P.
Die züchtung der "grünsamigen" kronenerbse. Zeitschr. Zücht. A. Pflanzenzücht. 15: 17-29. illus. Ja.1930. no.1.

Struve, W.
Frühlingsfestigkeit der wiesengräser und kleearten. Zeitschr. Zücht. A. Pflanzenzucht. 15: 9-16. Ja.1930. no.1.

Exper. Stat. Publ.
Damping off of young seedlings. Connecticut Agr. Exp. Stat. Bull. 311: 269-270. Ja.1930(Rec'd Mr.)

Murwin, H. F., Clinton, G. P. & Anderson, P. J.
Field experiments on brown rootrot. Connecticut Agr. Exp. Stat. Bull. 311: 247-255. illus. Ja. 1930 (Rec'd Mr.)
Of tobacco.

Exper. Stat. Publ. (cont.)

Wolf, J. G.
Black rootrot resistant shade tobacco. Connecticut Agr. Exp. Stat. Bull. 311: 256-263. illus. Ja. 1930. (Rec'd Mr.)

MacDaniels, L. H. & Heinicke, A.J.
Pollination and other factors affecting the set of fruit. Cornell Agr. Exp. Stat. Bull. 497. illus. pl.i-iv. 47 p. D.1929(Rec'd Mr.1930)

Kelley, V. W.
A comparison of the transpiration rates of twenty-one deciduous fruit species. Illinois Agr. Exp. Stat. Bull. 341. p.95-116. illus. F. 1930(Rec'd Mr.)

Kraybill, H. R.
Inspection of agricultural seeds. Indiana Agr. Exp. Stat. Circ. 169. 118 p. O. 1929.(Rec'd Mr. 1930)
O.S. Roberts, R.C. Bitler, Regina B. Schulte, Edith M. Patt and Pauline Balach jount authors.

Clayton, E. E.
Studies of the black-rot or blight disease of cauliflower. New York Agr. Exp. Stat. Bull. 576. illus. 44 p. N.1929.(Rec'd Mr.1930)

Howe, G. H.
New or noteworthy fruits, X. New York Agr. Exp. Stat. Bull. 578. 4 col.pl. D.1929.(Rec'd Mr.1930)

Streeter, L. R. & Harman, S.W.
Spray residues. New York Agr. Exp. Stat. Bull. 579. 12 p. D.1929.(Rec'd Mr.1930

Wellington, R., Stout, A.B., Einset, E. & Van Alstyne, L.M.
Pollination of fruit trees. New York Agr. Exp. Stat. Bull. 577. illus. 54 p. N.1929(Rec'd Mr.1930)

Robinson, R. H.
Sprays, their preparation and use. Oregon Agr. Exp. Stat. Bull. 259. 26 p. F.1930.(Rec'd Mr.)

McWhorter, F.P. & Parker, M.M.
A comparison of wilt resistant tomatoes in Virginia. Virginia Truck Exp. Stat. Bull.69. p.789-797. illus. O.1, 1929(Rec'd Mr. 1930)

State Publications.

Dunlap, F.
List of Missouri trees. Bull. Missouri State Bd. Agr. v.27, no.3. 15p. Ja.1930.

Jordan, S.M.
Know your farm weeds. Bull. Missouri State Bd. Agr. v.27, no.4. 31 p. illus. Ja. 1930.

Sullivan, K. C.
The Missouri plant act with rules, regulations and quarantines. Bull. Missouri State Bd. Agr. v.28, no.2. 32 p. F.1930.

New Books.

Boyd, J.
A history of the Pennsylvania horticultural society, 1827-1927. Philadelphia, 1929.

Dufrenoy, J.
La maladie du chataignier. Limoges, Imprimerie commerciale Perrette, 1929.
Inky disease.

Koens, A.J.
Notes bilbiographiques sur le café 1924-1929 Rome, 1929.

Lang, C.
Mineral- und pflanzengifte, von Dr. Otto Lange... 2 aufl. Stuttgart, Kosmos,1929.

Michalesco-Sorin, J.
Contribution à la plasmolyse de la cellules végétale sous l'action des solutions des sels de cuivre. Nancy, Ancienne imprimerie Vagner, 1928.

Saski, S.
List of plants of Formosa. Taihoku, 1928.
Issued by the Natural history society of Formosa.

Turin. R. Universitá - Orto botanico.
Studi sulla vegetazione nel Peimonte pubblicati a ricordo del II. centenario della fondazione dell'Orto botanico della R. universita di Torino, 1729-1929. Toriono, L. Checchini,1929.

Cappelletti, C.
Repertorio dell'epaticologia Piemontese. In Studi sulla vegetazione nel Piemonte --- II. Centenario della fondazione dell Orto botanico della R. Universita di Torino. Torino. 1929: 409-455. 1929.

Turin. R. Universitá - Orto botanico.
Studi sulla vegetazione nel Peimonte pubblicati a ricordo del II. centenario della fondazione dell'Orto botanico della R. universitá di Torino, 1729-1929. Toriono, L. Checchini, 1929 (cont.)

Chiovenda, E.
La posizione sistematica della Poa violaca Bellardi. In Studi sulla vegetazione nel Piemonte ... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 55-65. illus. 1929.

Colla, S.
Contributo alla conoscenza dei lariceti di alcune Valli Piemontesi. In Studi sulla vegetazione nel Piemonte ... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 477-553. 1929.

Fontana, P.
Catalogo sistematico delle piante vascolari crescenti nel bacino del Sangone (Alpi cozie). In Studi sulla vegetazione nel Piemonte ... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 301-360. 1929.

Forti, A.
Furcellaria fastigiata definitivamente riconfermata rinvenirsi nel Mediterraneo. In Studi sulla vegetazione nel Piemonte.... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 67-94. illus. 1929.

Gola, G.
I caratteri della vegetazione della Valle Maira (Alpi Cozie). In Studie sulla vegetazione nel Piemonte ... II. centenario della fondazione dell Orto botanico della R. Università di Torino. Torino, 1929: 3-50. 1929.

Mascarelli, L.
Sulle proprietà venefiche dell'erba morella (Solanum nigrum L.). In Studi sulla vegetazione nel Piemonte... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 677-695. illus. 1929.

Negri, G.
La vegetazione dei "sabbioni" dell'alta pianura padana. In Study sulla vegetazione nel Piemonte... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 621-673. 1929.

Turin. R. Università - Orto botanico.
Studi sulla vegetazione nel Piemonte pubblicati a ricordo del II. centenario della fondazione dell'Orto botanico della R. universitá di Torino.1729-1929. Toriono, L. Checchini, 1929. (cont.)

Raineri, R.
Caratteri e periodicità delle alghe nelle risaie del Vercellese. In Studi sulla vegetazione nel Piemonte... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 557-619. 1929.

Rigotti, H.
Una specie nuova per la flora Piemontese Euphorbia virgata W. et K. In Studi sulla Vegetazione nel Piemonte ... II. Centenario della fondavione dell Orto botanico della R. Università di Torino. Torino. 1929: 457-474. illus. 1929.

Vaccaneo, R.
Ricerche sulla vegetazione del boschi di Stupinigi. In Studi sulla vegetazione nel Piemonte... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 361-408. illus. 1929.

Valbusa, U.
L'isola glaciale nella florula della "Brenva" e del "M. Bianco". In Studi sulla vegetazione nel Piemonte... II, Centenario della fondazione dell Orto bontanico della R. Università di Torino. Torino, 1929: 697-711. 1929.

Vignolo-Lutati, F.
Le Langhe e la loro vegetazione. In Studi sulla vegetazione nel Piemonte... II. Centenario della fondazione dell Orto botanico della R. Università di Torino. Torino. 1929: 95-283. fold,maps. 1929.

Williams, R. O. & Cheesman, E.E.
Flora of Trinidad and Tobaco. v.1, pt.2. 164 p. N.1929.
Parietales, Polygalinae, Caryophyllinae, Guttiferales, Geraniales, by R.O. Williams - Malvales, by R.O. Williams & E.E.Cheesman.

Reprints from Journals not yet rec'd or not available.

Coons, G.H. & Larmer, F. G.

The physiology and variations of Cercospora beticola in pure culture. Reprinted from Papers Mich. Acad. Sci. 11: 75-104. plxxi-xxiii. 1930.

Koehler, Z.

Rozpuszczalność zwiazków fosforowych zarodków zyta (La solubilite des composés phosphorés des embryons de seigle): Sur les composés phosphorés des plantes V. Reprinted from Bull. Acad. Polon. Sér. B, 1929: 237-254. 1929.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ APR 14 1930
U. S. Department

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 12, no. 7. Mar. 17-29, 1930.

Agr. Gaz. N.S.W. (Sydney)

Whittet, J. N.

Kikuyu grass and bracken fern control. Agr. Gaz. N.S.W. 41: 131-132. illus. F.1, 1930. no.2.

Results of a trial in the Taree district.

Amer. Bot. (Indianiapolis, Ind.)

Benke, H. C.

A weed with redeeming features. Amer. Bot. 36: 18-20. illus. Ja.1930 (Rec'd Mr.) no.1.

Sweet clover.

Clute, W. N.

The meaning of plant names. XLI. The bonesets. Amer. Bot. 36: 11-16. Ja.1930. no.1. (Rec'd Mr.)

Clute, W. N.

A new form of Helianthus. Amer. Bot. 36: 16-17. Ja. 1930 (Rec'd Mr.) no.1.

H. maximiliani f. pallidus.

Clute, W. N.

The ways of wild flowers. (cont.). Amer. Bot. 36; 30-37. Ja.1930. (Rec'd Mr.) no.1.

Ewan, J.

Nichols Canyon. Amer. Bot. 36: 21-24. Ja.1930. (Rec'd Mr.) no.1.

Los Angeles, Co., Calif.

McMurray, N.

Persistent petioles. Amer. Bot. 36: 46. Ja. 1930. (Rec'd Mr.) no.1.

Murrill, W. A.

Pickneya. (sic) Amer. Bot. 36: 1-3. illus. 1 pl. Ja.1930 (Rec'd Mr.) no.1.

Pinckneya pubens.

Amer. Bot. (cont.)

Neff, I. J.
A freak Dodecatheon. Amer. Bot. 36: 41-42. Ja. 1930 (Rec'd Mr.) no.1.

Neff, I. J.
Life cycle of bluets. Amer. Bot. 36: 44-45. Ja. 1930 (Rec'd Mr.) no.1.

Plitt, C. C.
Epiphytic ebony spleenwort. Amer. Bot. 36: 40-41. Ja.1930 (Rec'd Mr.) no.1.
Polypodium polypodioides, Asplenium goldianum var. celsum two ferns that may be epiphytic, a third, A. platyneuron growing on red maple, found.

Scott, J. G.
Asplenium ebenoides. Amer. Bot. 36: 24-29. Ja. 1930 (Rec'd Mr.) no.1.

Amer. Fruit. Grow. Mag. (Chicago)

Bregger, J. T.
The trend toward red "bud sports". Amer. Fruit Grow. Mag. 50(3): 5, 27. illus. Mr.1930.

Amer. Journ. Bot.

Harvey, R. B.
Time and temperature factors in hardening plants. Amer. Journ. Bot. 17: 212-217. illus. Mr. 1930. No. 3.

Hein, I.
Studies on the mycelimm of Psalliota campestris. Amer. Journ. Bot. 17: 197-211. pl. xii-xiii. Mr. 1930. no.3.

McNair, J. B.
Gum, tannin, and resin in relation to specificity, environment, and function. Amer. Journ. Bot. 17: 187-196. Mr.1930. no.3.

Amer. Journ. Bot. (cont.)

Muncie, J. H. & Patel, M.K.

Fasciation of sweet peas. Amer. Journ. Bot. 17: 218-230. pl.xiv-xv. Mr. 1930. no.3.

Reeves, R. G.

Development of the ovule and embryo sac of alfalfa Amer. Journ. Bot. 17: 239-246. pl.xviii-xix. Mr. 1930. no.3.

Rydberg, P. A.

Genera of North American Fabaceae. VII. Astragalus and related genera. (cont.) Amer. Journ. Bot. 17: 231-238. pl.xvi-xvii. Mr.1930. no.3.

Angew. Bot. (Berlin)

Döring, H.

Untersuchungen über stärkebestimmungsmethoden. Angew. Bot. 12: 35-67. illus. 1930. no.1.

Feucht, W.

Morphologische abweichungen an Bromus erectus, verursacht durch Ustilago hypodytes. Angew. Bot. 12: 1-16. illus. 1930. no.1.

Hassebrauk, K.

Ueber die abhängigkeit der rostinfektion von der mineralsalzernährung der getreidepflanze. Angew. Bot. 12: 23-35. 1930. no.1.

Kinzel, W.

Grenzen der förderlichen einwirkung von frost und licht bei der samenkeimung. Angew. Bot. 12: 16-22. 1930. no.1.

Ann. Sci. Agron. (Paris)

Arnaud, G. & Gaudineau, M.

Le traitement de la carie du blé. (cont.) Ann. Sci. Agron. 47: 4-56. illus. Ja./F. 1930. no.1.

Bertrand, G.

Recherches sur la presence et la répartition du titane dans les plantes cryptogames. Ann. Sci. Agron. 47: 1-3. Ja./F. 1930. no.1.

Francois, L.

Recherches de géographie botanique sur le genre Cuscuta. Ann. Sci. Agron. 47: 57-68. illus. Ja./F. 1930. no.1.

Ann. R. Bot. Gard. Peradeniya.

Alston, A.H.G.

Inverted flowers in the Leguminosae. Ann. R. Bot. Gard. Peradeniya. 11: 300. Ja.30, 1930. no. 3.

Canavalia, Clitoria, Centrosema.

Alston, A. H. G.

Roxburgh's Hortus bengalensis. Ann. R. Bot. Gard. Peradeniya. 11: 299-300. Ja.30, 1930. no.3.

Haigh, J. C.

Macrophomina phaseoli (Maubl.) Ashby and Rhizoctonia bataticola (Taub.) Butler. Ann. R. Bot. Gard. Peradeniya. 11: 213-249. illus. pl.xxv-xxvi. Ja.30, 1390. no.3.

King, J. C. & Alston, A. H. G.

The botanical identity of tawenna and allied timbers. Ann. R. Bot. Gard. Peradeniya. 11: 287-297. pl. xxxix-xli. Ja.30, 1930, no.3.

Palaquium rubiginoxum (tawenna)

Lord, L.

The preliminary testing of pure line selections of rice. III. Ann. R. Bot. Gard. Peradeniya. 11: 261-267. Ja.30, 1930. no.3.

Petch, T.

Buttress roots. Ann. R. Bot. Gard. Peradeniya. 11: 277-285. pl. xxxv-xxxviii. Ja.30,1930. no.3.

Petch, T.

Campbellia cytinoides Wight. Ann. R. Bot. Gard. Peradeniya. 11: 269-275. illus. Ja.30, 1930. no.3.

Senaratna, S.D.J.E.

An abnormal rose. Ann. R. Bot. Gard. Peradeniya. 11: 305. pl. xliv. Ja.30, 1930. no.3.

Senaratna, S.D.J.E.

Some abnormalities of the coconut palm. Ann. R. Bot. Gard. Peradeniya. 11: 301-303. pl. xliii-xliii. Ja.30,1930. no.3.

Skvortzow, B.W.

Notes on Ceylon diatoms I- Ann. R. Bot. Gard. Peradeniya. 11: 251-260. pl. xxxii-xxxiv. Ja.30,1930. no.3.

Ann. Rep. Res. & Advis. Dept. South-east. Agr. Coll. Wye.

Salmon, E. S. & Ware, W. M.
Mycological department. Ann. Rep. Res. & Advis. Dept. South-east. Agr. Coll. Wye. 1928/29: 19-40. [1929?]

Arch. Anat. Micros. (Paris)

Eichorn, A.
Sur la mitose somatique des pinacées. Arch. Anat. Micros. 25: 489-492. illus. 1929.

Emberger, L.
La valeur morphologique des plastes des végétaux. Arch. Anat. Micros. 25: 126-131. illus. 1929.

Fauré-Fremiet, E.
Louis-Félix Henneguy (1850-1928). Arch. Anat. Micros. 25: 1-36. port. 1929.

Guilliermond, A.
Quelques remarques sur l'appareil de Golgi et les méthodes employees pour sa différenciation. Arch. Anat. Micros. 25: 493-505. illus. 1929.

Simonet, M.
Etude cytologique de Linum usitatissimum L. et de Linum angustifolium Huds. Arch. Anat. Micros. 25: 372-381. illus. pl.viii-ix. 1929.

Vilmorin, R.de.
Etude cytologique du Solanum commersonii. Arch. Anat. Micros. 25: 382-387. illus. pl.x. 1929.

Atti R. Accad. Naz. Lincei VI, Rand. Cl. Sci. Fis. Mat. e Nat. (Rome)

Pollacci, G. & Bergamaschi, M.
Dimostrazione con la dimetilidroresorcina della formazione di aldeide formica in piante vive durante la fotosintesi clorofilliana. Atti R. Accad. Naz. Lincei Vi, Rend. Cl. Sci. Fis. Nat. e Nat. 10: 687-689. D.15,1929. no.12.

Savelli, R. & Soster, N.
Apogamocarpia in "Cucurbita pepo" e "C. moschata." Atti R. Accad. Naz. Lincei Vi Rend. Cl. Sci. Fis. Mat. e Nat. 10: 690-696. D.15, 1929. no.12.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (cont.)

Savelli, R.& Soster, N.

Provocazione della monofillia in "Cannabis sativa L." Mediante traumi. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. 10: 604-609. illus. D.1,1929. no.11.

Austral. Sugar Journ. (Brisbane)

Bell, A. F.

Fiji disease in southern districts. Austral. Sugar Journ. 31: 673. F.6,1930. no.11.

Beih. Bot. Centralbl. Abt. I. (Dresden)

Bernheim, K.

Beitrag zur kenntnis des internodienwachstums. Beih. Bot. Centralbl. Abt.1,46: 347-406. illus. F.1930. no.3.

Bornhagen, H.

Geschlechterverteilung und geschlechtsdimorphismus bei Splachnum ampullaceum L. und Splachnum sphaericum (L. fil.) Swartz. Beih. Bot. Centralbl. Abt.I, 46: 407-434. illus. F.1930. no.3.

Korshikov, A.A.

On the occurrence of pyrenoids in Heterocontae. Beih. Bot. Centralbl. Abt. I, 46: 470-478. illus. F.1930. no.3.

Korshikov, A. A.

On the origin of the diatoms. Beih. Bot. Centralbl. Abt.I.46: 460-469. illus. F.1930. no.3.

Martinovsky, J. O.

Beitrag zur morphologie, phylogenesis und entwicklungsgeschichte der gattung Gagea Salisb. Beih. Bot. Centralbl. Abt.I, 46: 435-459. pl. iii-iv. F. 1930. no.3.

Ber. Deut. Bot. Ges. (Berlin)

Budde, H.

Pollenanalytische untersuchungen im Weissen Venn, Münsterland. Ber. Deut. Bot. Ges. 48: 26-40. illus. (map) F.27, 1930. no.1.

Ber. Deut. Bot. Ges. (cont.)

Katz, N.

Ueber die typen der moore der westsibirischen niederung und ihre geographische zonation. Ber. Deut. Bot. Ges. 48: 13-25. illus. (map). F.27. 1930. no.1.

Krause, O.

Cytologische studien bei den Urticales. Ber. Deut. Bot. Ges. 48: 9-13. F.27,1930. no.1.

Uphof, J.C.Th.

Die regeneration des stammes einer Sabal palmetto. Ber. Deut. Bot. Ges. 48: 5-9. illus. F.27, 1930. no.1.

Biol. Medd. K. Danske Vidensk. (København)

Børgesen, F.

Marine algae from the Canary Islands especially from Teneriffe and Gran Canaria. III. Rhodophycae. pt. II. Cryptonemiales, Gigartinales and Rhodymeniales. Biol. Medd. K. Dankke Vidensk. v.8, no.1. 97 p. illus. pl.i-iv. 1929.

Rosenvinge, L. K.

Phyllophora brodiaei and Actinococcus subcutaneus. Biol. Medd. K. Danske Vidensk. v.8, no.4. 40. p. illus., 1 pl. 1929. no.4.

Biol. Zentralbl. (Leipzig)

Stein, E.

Weitere mitteilung über die durch radiumbestrahlung induzierten gewebe-entartungen in Antirrhinum (phytocarcinome) und ihr erbliches verhalten. (Somatische induction und erblichkeit). Biol. Zentralbl. 50: 129-158. illus. 1930. no.3.

Blumen u. Pflanzenb. (Berlin)

Böhnert, E.

Hat das samengewicht einfluss auf das grössenwachstum der pflanze? Blumen u. Pflanzenb. 45: 37-39. illus. Mr.5, 1930. no.3.

Bol. Mus. Hist. Nat. Univ. Nac. Tucuman.

Baddini, F.

Contribución de la Heimia salicifolia (H.B.K.) Link et Otto y de la Larrea divaricata Cav. Bol. Mus. Hist. Nat. Univ. Nac. Tucumán. v.2, no.3. 21 p. illus. 1929.

Bot. Gaz. (Chicago)

Avery, G. S. Jr.

Comparative anatomy and morphology of embryos and seedlings of maize, oats, and wheat. Bot. Gaz. 89: 1-39. illus. Mr. 1930. no.1.

Frost, F. H.

Specialization in secondary xylem of dicotyledons. I. Origin of vessel. Bot. Gaz. 89: 67-94. illus. Mr. 1930. no.1.

Gehhart, A. R.

Respiration in strawberry fruits. Bot. Gaz. 89: 40-66. illus. Mr.1930. no.1.

Sears, P. B.

Common fossil pollen of the Erie Basin. Bot. Gaz. 89: 95-106. pl. i-iii. Mr. 1930. no.1.

Bot. Jahrb. Engl. (Leipzig)

Sambuk, F.

Ueber die natur der alluvialwiesen des Petschoratales (schluss). Bot. Jahrb. Engl. 63: 113-122. Mr. 1,1930. no.2.

Burret, M.

Geonomeae Americanae. Bot. Jahrb. Engl. 63: 123-192. Mr.1,1930. no.2.

Bot. Mag. Tokyo.

Hagiwara, T.

On the rôle of the factors C and R in the production of the flower colours in Pharbitis nil. Bot. Mag. Tokyo. 43: 643-656. D.1929. no.516.

Hemmi, T., Hirayama, S. & Nojima, T.

Studies on Fomes ulmarius causing the heartwood rot of Cryptomeria japonica. Bot. Mag. Tokyo. 43: 657-675. illus. D.1929. no.516.

In Japanese with English resume: p.674-675.

Honda, M.

Nuntia ad floram Japonicae V. Bot. Mag. Tokyo. 43: 656-657. D.1929. no.516.

Ito, T.

Symbolae ad mycologiam Japonicam. III. Bot. Mag. Tokyo. 43: 633-643. D.1929. no.516.

Bot. Mag. Tokyo. (cont.)

Kondo, T.
Ueber die anatomische struktur und die taxonomische bedeutung der spaltöffnungen bei einigen farnkräutern. II. Bot. Mag. Tokyo. 43: 595-605. illus. N.1929. no.515.
Japanese with German résumé: p.605.

Morinaga, T., Fuskushima, E., Kanō, T., Maruyama, Y. & Yamasaki, Y.
Chromosome numbers of cultivated plants.II. Bot. Mag. Tokyo. 43: 589-594. illus. N.1929. no.515.

Okunuki, K.
Ueber die mitogenetischen strahlung. Bot. Mag. Tokyo. 43: 615-622. illus. N.1929. no. 515.
In Japanese.

Tamiya, H. & Morita, S.
Bibliographie von Aspergillus, 1729 bis 1928. IX-X. Bot. Mag. Tokyo. 43: 576-589. 625-633. N., D. 1929. no.515, 516.

Brooklyn Bot. Gard. Rec.

Graves, A. H.
Reports on research for 1929. Forest pathology. Brooklyn Bot. Gard. Rec. 19(2): 62-67. Mr.1930.

Reed, G. M.
Reports on research for 1929. Plant pathology. Brooklyn Bot. Gard. Rec. 19(2): 55-60. Mr. 1930.

Bull. Agence Gen. Colon. France. (Paris)

Heim de Balsac, F., Dagand, G.S., Delhotel, E., Maheu, J. & Parveaud, A.
Etude technologique de la graisse d'"ebi" de l'Oubangui. Bull. Agence Gen. Colon. France. 23: 137-145. 2 pl. F.1930. no.253.
An oil seed of which the botanical origin is not known.

Bull. Bern. P. Bishop. Mus. (Honolulu)

Neal, M. C.
Hawaiian marine algae. Bull. Bern. P. Bishop Mus. 67. 84 p. illus. 1930.

Bull. Gard. Club Amer.
Lazenby, F.
Alstroemerias. Bull. Gard. Club Amer. 4(8): 34-38. illus. Mr. 1930.

Wilder, L. B.
Sweet-leaved geraniums. Bull. Gard. Club Amer. IV, 8: 22-26. Mr. 1930.

[Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest.) (Krasnodar)
Kalitaeva, E.M.
... The influence of osmotic pressure on the growth, transpiration and storage of ashes in tobacco. [Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest. (Krasnodar). 62. 26 p. illus. 1929.
Russian with English summary.

Bull. Misc. Inform. Kew. (London)
Compton, R. H.
The Karoo garden at Whitehill. Bull. Misc. Inform. Kew. 1930: 70-74. pl. iii. 1930. no.2.

Cowan, J. M.
A botanical expedition to Persia. Bull. Misc. Inform. Kew. 1930: 49-68. illus. (map) 1930. no.2.

Howes, F. N.
Orris root. Bull. Misc. Inform. Kew. 1930: 91-93. 1930. no.2.

Hutchinson, J. & Moss, M. B.
A new stinkwood from East Africa. Bull. Misc. Inform. Kew. 1930: 68-70. illus. 1930. no.2.
Ocotea gardneri.

Ridley, H. N.
Additions to the flora of Borneo. Bull. Misc. Inform. Kew. 1930: 74-87. 1930. no.2.

Bull. New Zeal. Dept. Sci. & Industr. Res.
Curtis, K.M.
Four year's control of brown rot in New Zealand. In Peach culture. Bull. New Zeal. Dept. Sci. & Industr. Res. 15: 4-17. illus., 4 pl. on 2. 1929.

Bull. New Zeal. Dept. Sci. & Industr. Res. (cont.)

Tiller, L. W.

Cold storage of fruit. Investigations conducted with apples during 1927-1928. Bull. New Zeal. Dept. Sci. & Industr. Res. no.16. 23 p. illus., 4 pl. on 2. 1929.

Bull. Ohio Biol. Surv.

Segelken, J. G.

The plant ecology of the Hazelwood botanical preserve. Bull. Ohio Biol. Surv. 21(v.4, no.6): 221-269. illus. Ag.1929 (Rec'd Mr.1930).

Bull. Soc. Bot. Geneve.

Beauverd, G.

Nouvelles espèces du genre Bunium. Bull. Soc. Bot. Genéve. II, 21: 223-228. illus. 1929. no.1.

B. pygmaeum, B.afghanicum, n.spp.; B. persicum v. turcomanicum, n.var.

Bustinza, F.

Contribution à l'étude des ferments du Cyperus esculentus L. Bull. Soc. Bot. Genéve. II, 21: 198-222. 1929. no.1.

Jaag, O.

Recherches experimentales sur les gonidies des lichens appartenant aux genres Parmelia et Cladonia. Bull. Soc. Bot. Geneve. II, 21: 1-119. illus., 6 pl. 1929. no.1.

Lacaita, C.

Observations sur la flore des Picos de Europa. Bull. Soc. Bot. Genéve. II, 21: 135-142. 1929. no.1.

Lacaita, C.

La Sierra de Cazorla et les excursions d'Elisée Reverchon. Bull. Soc. Bot. Genéve. II, 21:120-134. illus. 1929. no.1.

Meier, F.E.

Recherches expérimentales sur la formation de la carotine chez les algues vertes unicellulaires et sur la production de la gelée chez un Stichococcus (S. mesenteroides). Bull. Soc. Bot. Genève. II, 21: 161-197. pl. 1929.

(Already entered as reprint. (Thesis)

Bull. Soc. Bot. Geneve. (cont.)

Rayss, T.

Microthamnion kützingianum Naeg. Bull. Soc. Bot. Genève. II, 21: 142-160. illus. 1929. no.1.

M.kützingianum, M. exiguum, M. curvatum.

Bull. Soc. Centr. For. Belgique. (Bruxelles)

Delforge,P.

Aperçu de la flore des friches calcaires, dolomitiques et schisteuses de l'entre-Sambre-et-Meuse. Bull. Soc. Centr. For Belgique. 37: 62-71. F. 1930. no.2.

Bull. So. Africa Dept. Agr.

Stent, S. M. & Curson,H.H.

Poisonous plants of South Africa. I. Tulp. Bull. So.Africa Dept. Agr. no.48. 9 p. 3 col.pl. 1929.

Homeria pallida, Moraea polystacha, M. spathacea.

Centralbl. Bakt. Abt. II. (Jena)

Blochwitz, A.

Die farbstoffe bei aspergillaceen und mucorineen. Centralbl. Bakt. Abt.II, 80:201-202. F.20, 1930. no.8/14.

Vorläufige mitteilung.

Fischer, R.

Ueber krankheiten des Anthurium scherzerianum. Centralbl. Bakt. Abt. II, 80: 245-252. illus. F.20, 1930. no.8/14.

Phytopathologische mitteilungen I.

Cephaleuros parasiticus, Gloeosporium minimum, Physalospora anthurii.

Pistor, R.

Beiträge zur kenntnis der biologischen tatigkeit von pilzen in waldböden. Centralbl. Bakt. Abt. II. 80: 169-200. F.20, 1930. no.8/14.

Citrus Indust. (Tampa, Fla.)

Rhoads, A. S.

Gummosis and psorosis of citrus trees. Citrus Indust. 11(3): 11. Mr. 1930.

Citrus Indust. (cont.)

Rhoads, A. S.

The cause and control of citrus scab. Citrus Indust. 11(3): 8-9, 20-21. port. Mr.1930.

Compt. Rend. Acad. Sci. Paris.

Colin, H. & Guégen, E.

Le sucre des floridées. Compt. Rend. Acad. Sci. Paris. 190: 653-655. Mr.10, 1930. no.10.

Rhodymenia palmata.

Costantin, J.

Les plantes montagnardes et le Lamarckisme. Compt. Rend. Acad. Sci. Paris. 190: 550-551. Mr.3, 1930. no.9.

Munerati, O.

Observations sur la durée du cycle de la betterave. Compt. Rend. Acad. Sci. Paris. 190: 647-649. illus. Mr.10, 1930. no.10.

Contr. U.S. Nat. Herb. (Washington)

Blake, S. F.

Notes on certain type specimens of American Asteraceae in European herbaria. Contr. U.S. Nat. Herb. 26: 227-263. Mr.10, 1930. no.5.

Kgl. Danske Vidensk. Selsk. Skrift. Naturvidensk. og Math.

Berg, K. & Nygaard, G.

Studies on the plankton in the Lake of Frederiksborg Castle. Kgl. Danske Vidensk. Selsk. Skrift Naturvidensk. og Math. IX, 1: 227-316. illus. pl. i-vi. 1929. no.4.

Deut. Landw. Presse. (Berlin)

Müller, K. R.

Ergebnisse einiger versuche zur bekämpfung des zwiebelrotzes. Deut. Landw. Presse. 57: 129. illus. Mr.8, 1930. no.10.

Ernahr. Pflanz. (Berlin)

Niklas, H., Poschenrieder, H. & Trischler, J.

Die kultur des schimmelpilzes Aspergillus niger zur biochemischen bestimmung der kali- u. phosphorsäuredüngebedürftigkeit der böden. Ernähr. Pflanze. 26: 97-103. illus. Mr.1, 1930. no.5.

Gard. Chron. (London)

Barnes, B.

Induced variation in Thamnidium elegans, Link. Gard. Chron. III, 87: 195. Mr.8, 1930. no.2254.

Abstract of paper given before British Mycol. Soc., Feb.1930.

Bolas, T. W.

Berberis sp. K.W. 6,787. Gard. Chron. III, 87: 186. Mr.8, 1930. no.2254.

"Silver holly" collected by F. Kingdon Ward.

Brown, N.

Mesembryanthemum. (cont.) Smicrostigma, Antimima, Lampranthus. Gard. Chron. III, 87: 186, 211-212. illus. Mr.8,15, 1930. no. 2254-2255.

Brown, W.

Investigations on the physic-chemical basis of disease resistance. Gard. Chron. III, 87: 195. Mr.8, 1930. no.2254.

Abstract of paper given before British Mycol. Soc., Feb. 1930.

Friend, H.

Concerning the oxlip. Gard. Chron. III, 87: 188, 208. Mr.8, 15, 1930. no.2254, 2255.

Horne, A. S.

The relation between resistance to fungal disease and chemical composition of the apple fruit. Gard. Chron. III, 87: 195. Mr.8, 1930. no.2254.

Abstract of paper given before British Mycol. Soc., Feb. 1930.

Marsden-Jones, E.M. & Turrill, W.B.

Hybridization in certain genera of the British flora. Gard. Chron. III, 87: 210-211. Mr.15, 1930. no.2255.

Gard. Chron. (cont.)

Samuel, G.

The generic names Alternaria and Macrosporium. Gard. Chron. III, 87: 196. Mr.8, 1930. no.2254.

Abstract of paper given before British Mycol. Soc. Feb. 1930.

Taylor, G.M.

Lilium melpomene. Gard. Chron. III, 87: 184. Mr.8, 1930. no.2234.

Doubts if this is of hybrid origin as stated by Augustine Henry.

Gartenbauwiss. (Berlin)

Arnold, Z.

Einige orientierende versuche zur frage der künstlichen frischerhaltung der schnittblumen. Gartenbauwiss. 3: 47-70. illus. F.27, 1930. no.1.

Böhnert, E.

Untersuchungen über selbststerilitat und selbstfertilität bei gärtnerischen kulturpflanzen. Gartenbauwiss. 3: 1-46. illus. F.27, 1930. no.1.

Kotthoff, F.

Beitrag zur kenntnis der gattung Pestalozzia de Not. Gartenbauwiss. 3: 71-73. F.27, 1930. no.1.

Petrak, F.

Ueber eine neue amaryllis-krankheit. Gartenbauwiss. 3: 74-78. F.27,1930. no.1.

Stagonospora crini.

Gartenw. (Berlin)

Fischer, R.

Eine häufige gladiolenkrankheit. Gartenw. 34: 120-121. illus. F.28,1930. no.9.

Bacterium marginatum.

Hawaiian Plant. Rec. (Honolulu)

Barnum, C. C.

Relative resistance and susceptibility of Hawaiian and introduced cane varieties to eye spot and brown stripe diseases. Hawaiian Plant. Rec. 34: 117-134. Ja. 1930. no.1.

Carpenter, C. W.

Notes on Pythium root rot. VI. Hawaiian Plant. Rec. 34: 83-98. illus. Ja.1930. no.1.

Hawaiian Plant. Rec. (cont.)

McGeorge, W.T.
Pahala blight. II. Hawaiian Plant. Rec. 34: 17-23. Ja.1930. no.1.

Mangelsdorf, A.J.
Cane breeding in Formosa. Hawaiian Plant. Rec. 34: 11-15. illus. Ja.1930. no.1.

Mangelsdorf, A. J.
Cane varieties in Formosa. Hawaiian Plant. Rec. 34: 9-10. illus. Ja. 1930. no.1.

Martin, J. P.
Gumming disease of sugar cane. Hawaiian Plant. Rec. 34: 65-78. illus. Ja.1930. no.1.

Weller, D.M.
A comparative study of the development of sugar cane roots from root primordia. Hawaiian Plant. Rec. 34: 99-115. illus. Ja.1930. no.1.

Hedwigia. (Dresden)

Hillman, J.
Studien über die flechtengattung Teloschistes Norm. Hedwigia. 49: 303-344. illus. F.1930. no.6.

Intern. Bull. Plant Prot.

Data and information on damage caused to cultivated crops by the cold of the winter 1928-1929 (cont.) Intern. Bull. Plant Prot. 4: 7-8. Ja.1929. no.1.

Pittman, H.A.
Western Australia: Diseases recorded for the first time. Intern. Bull. Plant Prot. 4: 2-3. Ja. 1930. no.1.

Staner, P.
Belgian Congo: Pests and diseases of Coffea arabica in the east. Intern. Bull. Plant Prot. 4: 4. Ja. 1930. no.1.

Wollenweber, H. W.
Germany: Present state of "elm disease". Intern. Bull. Plant Prot. 4: 1-2. Ja.1930. no.1.

Iowa State Coll. Journ. Sci. (Ames, Ia.)

Muncie, J. H.

Studies of crowngall, overgrowths and hairyroot on apple nursery stock. Iowa State Coll. Journ. Sci. 4:263-300. vii pl., 1 fold. tab. Ja.1930. no.2.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad)

Zalesskij, M.

Observations sur de nouveaux spécimens du Psygmophyllum expansum Brongnairt et sur une nouvelle plante fossile Idelopteris elegans n.g. et sp. Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1929: 717-727. illus., pl. no.8.

Zalesskij, M.

Sur le Syniopteris nesterenkoi n.g. et sp. et le Syniopteris demetriana n.g. et sp., nouveaux végétaux permiens. Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1929: 729-736. illus. no.8.

Izv. Gosud. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron) (Leningrad)

Flaksberger, K. & Kapustina, E.

... On the "Noé wheat". Izv. Gosud. Inst. Opytn. Agron. (Ann. State Inst. Exp. Agron.) 7: 478-486. illus. 1929.

Russian.

Jahrb. Wiss. Bot. (Leipzig)

Pirschel, K.

Zur physiologischen wirkung homologer ionenreihen. Jahrb. Wiss. Bot. 72: 335-368. illus. F.1930. no.2.

Sperlich, A.

Wasserdynamik, sprosswachstum und -formung. Jahrb. Wiss. Bot. 72: 161-202. illus. F.1930. no.2.

Ursprung, A. & Blum, G.

Zwei neue saugkraft-messmethoden. Jahrb. Wiss. Bot. 72: 254-334. illus. F.1930. no.2.

I. Die kapillarmethode zur messung der statischen saugkraft von flüssigkeiten, quellkorpern und böden. II. Die hebelmethode zur messung der saugkraft von hartlaub und anderen schwierigen objekten.

Jahrb. Wiss. Bot. (cont.)

Wilhelm, A. F.

Untersuchungen über das chromogen in Vicia faba. Jahrb. Wiss. Bot. 72: 203-253. illus. F.1930. no.2.

Journ. Agr. Res. (Washington, D.C.)

Alway, F.J. & Nesom, G. H.

Protein content of reed canary grass on peat soils. Journ. Agr. Res. 40: 297-320. illus. F.15, 1930 (Rec'd Mr.1) no.4.

Briggs, F. N.

Inheritance of resistance to bunt, Tilletia tritici, in White Odessa wheat. Journ. Agr. Res. 40: 353-359. F.15, 1930 (Re'cd Mr.1) no.4.

Bryan, M.K.

Bacterial leaf spot of squash. Journ. Agr. Res. 40: 385-391. illus., pl. F.15,1930 (Rec'd Mr.1) no.4.

Bacterium cucurbitae.

Harter, L.L.

Thresher injury a cause of baldhead in beans. Journ. Agr. Res. 40: 371-384. illus. F.15,1930. (Rec'd Mr.1) no.4.

Jodidi, S.L.

Isolation and purification of the alcohol-soluble protein (prolamin) occurring in English ryegrass (Lolium perenne). Journ. Agr. Res. 40: 361-370. F.15, 1930 (Rec'd Mr.1) no.4.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Briggs, F. N.

Breeding wheats resistant to bunt by the back-cross method. Journ. Amer. Soc. Agron. 22: 239-244. Mr. 1930. no.3.

Coffman, F.A., & Wiebe, G.A.

Unusual crossing in oats at Aberdeen, Idaho. Journ. Amer. Soc. Agron. 22: 245-250. illus. Mr. 1930. no.3.

Kiltz, B. F.

Perennial weeds which spread vegetatively. Journ. Amer. Soc. Agron. 22: 216-234. illus. Mr. 1930. no.3.

Journ. Amer. Soc. Agron. (cont.)

Myers, M. T.

Determining the date of silking in experiments with corn. Journ. Amer. Soc. Agron. 22: 280-283. Mr.1930. no.3.

Journ. Bot. (London)

British museum. Dept. of botany - Herbarium.

Notes from the British Museum herbarium. (cont.) Journ. Bot. 68: 82-85. Mr.1930. no.807.

Papaver rogersii, Firmiana migeodii, Hibiscus migeodii, Impatiens piemeiselii, Nesogenes africanus, Neuracanthus subuncinatus, n.spp.

Grove, W. B.

New or noteworthy fungi. X. Journ. Bot. 68: 65-74. illus. Mr.1930. no.807.

Sordaria arenicola, Physalospora lonicerae, Didymosphaeria enormis, n.spp., Leptosphaeria niessleana f. viciae, n.f.

Marsden-Jones, E. & Turrill, W.B.

Geum intermedium auct. Journ. Bot. 68: 88. Mr.1930. no.807.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones: Gampotelae (Acanthaceae by S.Moore) (cont.) Journ. Bot. 68(Suppl.): 121-128. Mr.1930. no.807.

Sopubia graminicola, Thunbergia recasa, T. cuanzensis n.spp.

Novitates africanae. (cont.) Journ. Bot. 68: 75-79. Mr.1930. no.807.

Wilmott, A. J.

Annotationes systematicae. II. Novitates ex Hispania. Journ. Bot. 68: 79-82. Mr.1930. no. 807.

Lactuca singularis, Linaria angustealata, L. lofthousei, L. tesselata, n.spp.

Journ. Dept. Agr. Porto Rico (Rio Piedras)

Ciferri, R.

Phytopathological survey of Santo Domingo, 1925-1929. Journ. Dept. Agr. Porto Rico. v.14, no.1. 44 p. illus. (maps) pl. i-ii. F. 1930. no.1.

Journ. Gen. Physiol. (Baltimore)

Blinks, L. R.

The direct current resistance of Nitella. Journ. Gen. Physiol. 13: 495-508. illus., pl.6-7. Mr.20, 1930. no.4.

Castle, E. S.

Phototropism and the light-sensitive system of Phycomyces. Journ. Gen. Physiol. 13: 421-435. illus. Mr.20, 1930. no.4.

Damon, E.B. & Osterhout, W.J.V.

The concentration effect with Valonia; Potential differences with concentrated and diluted sea water. Journ. Gen. Physiol. 13: 445-457. illus. Mr.20, 1930, no. 4.

Osterhout, W.J.V. & Hill, S.E.

Negative variations in Nitella produced by chloroform and by potassium chloride. Journ. Gen. Physiol. 13: 459-467. illus. Mr.20, 1930. no.4.

Jounr. N.Y. Bot. Gard.

Small, J.K.

Chronicle of the palms of the continental United States. Journ. N.Y. Bot. Gard. 31: 57-66. Mr. 1930. no.363.

Journ. Sapporo Soc. Agr. & For.

Hiratsuka, N.

A provisional list of the Melampsoraceae collected in San-in district,Japan. Journ. Sapporo Soc. Agr. & For. 21:326-333. F.1930. no.97.

Japanese with short English résumé.

Honma, Y.

On the development of the classification of Erysiphaceae. Journ. Sapporo Soc. Agr. & For. 74: 359-363. F. 1930. no.97.

Japanese.

Kolloidchem. Beig. (Dresden)

Samec, M. & Blinc, M.

Studien über pflanzenkolloide XXIII. Zur kenntnis der erythrosubstanzen. Kolloidchem. Beih. 30: 163-196. illus. F.25, 1930. no.4/7.

K. Landtbr. Akad. o Tidskr. (Stockholm)

Kemner, N.A.

Några iakttagelser över kornnematoden i Sverige. (Einige beobachtungen über die gerstennematode, Tylenchus hordei Schøyen): K. Landtbr. Akad. o Tidskr. 69: 108-131. illus. 1930. no.1.

German summary.

Mem. Fac. Sci. & Agr. Taihoku Imp. Univ.

Kudo, Y.

Labiatarum Sino-Japonicarum prodromus. Eine kritische besprechung der labiaten Ostasiens. Mem. Fac. Sci. & Agr. Taihoku Imp. Univ. 2: 37-332. D.1919. no. 2.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Backeberg, C.

Neue kakteen aus neuen gebieten. Möller's Gärtn.-Zeit. 45: 81-82. illus. Mr.1, 1930. no.7.

A number of new species of Pilocereus are described.

Pohl, H.

Unfruchtbarkeit bei obstbäumen. I. Möller's Deut. Gartn.-Zeit. 45: 77-78, 95-96. Mr.1,11, 1930. no.7,8.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bödeker, F.

Coryphantha obscura Böd., sp.n. Monatsschr. Deut. Kakteen.-Ges. 2: 25-26. illus. F.1930. no.2.

Bödeker, F.

Coryphantha speciosa Böd. spec.nova. Monatsschr. Deut. Kakteen.-Ges. 2; 23-24. illus. F. 1930. no.2.

Gräser, R.

Vom wachstum der rankcereen. Monatsschr. Deut. Kakteen. Ges. 2: 33-35. F. 1930. no.2.

Monatsschr. Deut. Kakteen-Ges. (cont.)
Roeder, W.von.
Die verglasung mit uvioglas. Monatsschr. Deut. Kakteen.-Ges. 2: 35-37. F. 1930. no.2.

Nature. (London)
Stoughton, R.H.
Angular leaf-spot disease of cotton. Nature 125: 35--351. Mr.8, 1930. no.3149.

Walton, J.
Improvements in the peel-method of preparing sections of fossil plants. Nature. 125: 413-414. Mr.15, 1930. no.3150.

Nature Mag. (Washington, D.C.)
Maitland, J.
Double trilliums. Nature Mag. 15: 222. illus. Ap. 1930. no.4.

Nearing, G.G.
Ink from white mushrooms. They furnish food and fluid. Nature Mag. 15: 230. illus. Ap.1930. no.4.
Coprinus.

West, H. L.
My friend - John Burroughs. Nature Mag. 15: 231-234. port. Ap.1930. no.4.

Nat. Canad. (Quebec)
Robitaille, A.
Végétaux ligneux et frutescents de la région de Québec. Nat. Canad. 57: 49-60. Mr.1930. no.3.

Naturforsch. (Berlin)
Graebner, P.
Spiranthes spiralis (L.) K.Koch in der westfälischen flora. Naturforsch. 6: 464-466. Mr. 1930. no.12.

Northwest Science. (Cheney)
Smith, F. H.
Notes on the contractile roots of Brodiaea lactea (Lindl.) Wats. Northwest Science. 4: 18-19. Mr. 1930. no.1.

Oesterr. Bot. Zeitschr. (Wien)

Handel-Mazzetti, H.

Bearbeitung der von E. Zugmayer in Tibet gesammelten phanerogamen. Oesterr. Bot. Zeitschr. 79: 30-39. Ja.31. 1930. no.1.

Klein. G. & Zeller, A.

Der nachweis der cholins in der pflanze. Oesterr. Bot. Zeitschr. 79: 40-57. Ja.31, 1930. no. 1.

Schussnig, B.

Der generations- und phasenwechsel bei den chlorophyceen. Oesterr. Bot. Zeitschr. 79: 58-77. Ja.31, 1930. no. 1.

Wilcke, J.

Karyologische untersuchungen an drei saisonformen des Alectorolophus hirsutus. Oesterr. Bot. Zeitschr. 79: 78-94. illus. Ja.31,1930. no.1.

Orchid Rev. (Richmond, England)

Bulhart, V.

Orchids of utility (cont.) Orchid Rev. 38: 85-86. Mr.1930. no.441.

Cooper, E.

Monomeria barbata. Orchid Rev. 38: 77-79. Mr. 1930. no.441.

Smith, J. J.

Calanthe turneri. Orchid Rev. 38: 66. Mr. 1930. no.441.

Papers Mich. Acad. Sci.

Arnold, C. A.

The genus Callixylon from the upper Devonian of central and western New York. Papers Mich. Acad. Sci. 11: 1-50. illus. (map)., pl. i-xviii. 1930.

Billington, C.

The flora of two acres of farm land in Oakland County, Michigan. Papers Mich. Acad. Sci. 11: 51-73. illus.,pl. xx 1930.

Papers Mich. Acad. Sci. (cont.)

Coons, G. H. & Larmer, F. G.

The physiology and variations of Cercospora beticola in pure culture. Papers Mich. Acad. Sci. 11: 75-104. pl.xxi-xxiii. 1930.

(Already entered as preprint)

Cummins, G. B.

Montana Discomycetes from the Flathead National forest. Papers Mich. Acad. Sci. 11: 105-115. illus. 1930.

Pseudographis tetraspora, n.sp.

Erlanson, E. W.

Field observations on wild roses of the western United States. Papers Mich. Acad. Sci. 11: 117-135. 1930.

Erlanson, E. W.

The phenological procession in North American wild roses in relation to the polyploid series. Papers Mich. Acad. Sci. 11: 137-150. 2 tab. 1930.

Kaufman, C. H.

The fungous flora of the Siskiyou Mountains in southern Oregon. Papers Mich.Acad. Sci. 11: 151-310. illus., pl. xxiv-xxvii. 1930.

Many new species.

Kenoyer, L. A.

Ecological notes on Kalamazoo County, Michigan, based on the original land survey. Papers Mich. Acad. Sci. 11: 211-217. illus. (map). 1930.

Kotila, J. E.

Some chimeras of Solanum tuberosum L. Papers Mich. Acad. Sci. 11; 219-224. pl. xxviii-xxxii. 1930.

La Rue, C. D.

Regeneration in some American mosses. Papers Mich. Acad. Sci. 11: 225-241. 1930.

Smith, A. H.

Fruit-tree mycorrhiza around Ann Arbor, Michigan. Papers Mich. Acad. Sci. 11: 243-248. pl. xxxiii 1930.

Papers Michigan Acad. Sci. (cont.)

Spillman, W. J. & Sando, W.J.
Mendelian factors in the cowpea (Vigna species). Papers Mich. Acad. Sci. 11: 249-283. illus. 1930.

Swartz, D.
Bacteria in puffballs. Papers Mich. Acad. Sci. 11: 285-296. 1930.

Thorpe, F. J.
Montana mosses from the Flathead national forest. Papers Mich. Acad. Sci. 11: 297-307. 1930.

Wehmeyer. L. E.
Studies on the role of the host in the genus Diaporthe. Papers Mich. Acad. Sci. 11: 309-328. pl. xxxiv-xxxvi. 1930.
D. viburni var. spiraeicola var.nov.

Woodcock. E. F.
Anatomy of the leaf of the black raspberry (Rubus occidentalis L.) Papers Mich. Acad. Sci. 11: 333-340. illus., pl. xxxviii-xl. 1930.

Woodcock, E. F.
A natural sectorial chimera of the sunflower (Helianthus divaricatus L.). Papers Mich. Acad. Sci. 11: 329-332. pl. xxxvii. 1930.

Woodcock, E. F.
Seed development in the Thelygonium cynocrambe L. Papers Mich. Acad. Sci. 11: 341-347. pl.xli-xlii. 1930.

Phytopath.

Ficke, C. H. & Johnston, C. O.
Cultural characteristics of physiologic forms of Sphacelotheca sorghi. Phytopath. 20: 241-249. illus. Mr.1930. no.3.

Klotz, L.J.
Some microscopical studies on Penicillium decay of citrus. Phytopath. 20: 251-256. illus. Mr.1930. no.3.

Phytopath. (cont.)

Leach, J. G.
Potato blackleg; the survival of the pathogene in the soil and some factors influencing infection. Phytopath. 20: 215-228. illus. Mr.1930. no.3.

Mains, E.B.& Dietz,S.M.
Physiologic forms of barley mildew, Erysiphe graminis hordei Marchal. Phytopath. 20: 229-239. illus. Mr. 1930. no.3.

Marshall, R. P.
A simple tree injector. Phytopath. 20: 263-264. illus. Mr.1930. no.3.

Mix. A. J.
A blight of flowering almond, Prunus glandulosa Thunb. Phytopath. 20: 265. Mr.1930. no.3.
Sclerotinia fructicola.

Mix, A. J.
Brown-rot leaf and twig blight following peach-leaf curl. Phytopath. 20: 265-266. Mr.1930. no.3.

Mix. A. J.
Further studies on privet anthracnose. Phytopath. 20: 257-261. Mr.1930. no.3.

Narasimhan, M.J.
Studies in the genus Phytophthora in Mysore. Phytopath. 20: 201-214. illus. Mr.1930. no.3.
I. Heterothallic strains of Phytophthora.

Phytopath. Zeitschr. (Berlin)

Allison, C. C. & Isenbeck, K.
Biologische spezialisierung von Puccinia glumarum tritici Eriksson und Henning. Phytopath. Zeitschr. 2: 87-98. 1930. no.1.

Korff, G. & Böning, K.
Beiträge zur bodenbehandlung und partiellen bodendesinfektion. Phytopath. Zeitschr. 2: 39-86. 1930. no.1.

Labrousse, F. & Sarejanni, J.
Recherches physiologiques sur quelques champignons parasites. Phytopath. Zeitschr. 2: 1-38. 1930. no.1.

Preslia. (Praha)

Cejp, K.

Preliminary results of ontogenetic and phyllogenetic studies of the genus Omphalia. Preslia. 8: 3-5. 1929.

Domin, K.

Generis Asplenii L. species duo novae, Preslia. 8: 6-8. 1929.

A. pseudo-serra, A. monilisorum.

Klášterský, I.

Ad floram carpatorossicam additamenta critica pars I. Preslia. 8: 9-32. illus., pl. 1929.

Czechoslovakian with Latin diagnoses.

Klika, J.

Zweiter beitrag zur geobotanischen durchforschung der Hohen Fatra (Velká Fatra). Die felsen- und hanggesellschaften I. Preslia. 8: 33-50. illus., pl. 1929.

Novak, F. A.

Ad florae serbiae cognitorum additatmentum tertium. Preslia. 8:51-77. illus., v pl. 1929.

Šimr. J.

Fenologická pozorování na orchideové louce hradištanské r. 1927 (Une étude phénologiaue sur la prairie des orchidées près de Hradištany (Radelstein non loin de Milešovka) en 1927). Preslia. 7: 78-85. 1929.

Czechoslovakian with French summary.

Proc. Linn. Soc. N.S. W. (Sydney)

Newman, I. V.

The life history of Doryanthes excelsa. II. The gametophytes, seed production, chromosome number and general conclusion. Proc. Linn. Soc.N.S.W. 54: 411-435. illus., pl.xvii-xix. O .25, 1929, no.224. (Rec'd Mr.1930).

Proc. Nat. Shade Tree Conf.

Clinton, G. P.

Willow scab-blight. Proc. Nat. Shade Tree Conf. 5: 61-62. 1929.

Abstract.

Proc. Nat. Shade Tree Conf. (cont.)

Collins, J. F.
Experience with case records. Proc. Nat. Shade Tree Conf. 5: 22-25. 1929.

Gager, C. S.
Aeration of tree roots -- theory. Proc. Nat. Stade Tree Conf. 5: 26-27. 1929.

Graves, A. H.
The comparative resistance of root and shoot of the American chestnut to the chestnut bark disease. Proc. Nat. Shade Tree Conf. 5: 56-57. 1929.

Irish, C. F.
The process of aeration and fertilization of tree roots by means of compressed air. Proc. Nat. Shade Tree Conf. 5: 35-37. 1929.

Jacobs, H. L.
The practice of tree injection. Proc. Nat. Shade Tree Conf. 5: 39-42. 1929.

Marshall, R. P.
Some effects of the season of wounding on callous formation of tree wounds. Proc. Nat. Shade Tree Conf. 5: 25. 1929.

Metcalf, H.
The Dutch elm disease. Proc. Nat. Shade Tree Conf. 5: 60-61. 1929.

Metcalf, H.
The European larch canker. Proc. Nat. Shade Tree Conf. 5: 58-59. 1929.

Young, H. C.
The aeration of tree roots. Proc. Nat. Shade Tree Conf. 5: 28-34. 1929.

Proc. Verb. Comm. Météor. Agr.

Åkerman, A.
Bestimmung der relativen frosthärte bei pflanzenvarietäten durch künstlichehervorgerufene kälte. Proc. Verb. Comm. Météor. Agr. 3. Réun. Copenhague, 1919. Stockholm, 1929, p.36-98.

Protoplasma. (Leipzig)

Dietrich, F.

Beobachtungen über stoffwanderung in lebendigen zellen. Protoplasma. 8: 161-198. N. 1929. no.2.

Quart. Journ. Indian Tea Assoc. (Calcutta)

Jordan, L. A.

Tung oil. Quart. Journ. Indian Tea Assoc. 1929: 163-199. 1929. no.4.

Reprinted from his publication on Tung oil.

Tunstall, A. C.

Prevention of disease in young nurseries. Quart. Journ. Indian Tea Assoc. 1929: 157-158. 1929. no.4.

Nematodes.

Quart. Journ. Rubber Res. Inst. Malaya.

Beeley, F.

Fungi and diseases of the tapping panel. Quart. Journ. Rubber Res. Inst. Malaya. 1: 250-272. illus., vi pl. D.1929. no.4.

Rev. Bot. Appl. (Paris)

Doubiansky, W.

Les psammophytes des déserts du Turkestan et leur rôle dans l'évolution des dunes. Rev. Bot. Appl. 10: 73-84. illus. F.1930. no.102.

Rev. Gén. Bot. (Paris)

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. (cont.). Rev. Gén. Bot. 42: 99-114. F. 1930. no.494.

Michel-Durand, E.

Recherches physiologiques sur les composés tanniques. (cont.). Rev. Gén. Bot. 42: 115-128. F. 1930. no.494.

Moreau, F. & Moreau, Mme. F.

Le développement du périthèce chez quelques Ascomycètes. Rev. Gén. Bot. 42: 65-98. pl. i-vii. F.1930. no.494.

Science. (Lancaster, Pa.)

Clark, G.L., Picket, L.W. & Farr. W.K.

Some practical results of an x-ray analysis of cotton fibers. Science. 71: 293-294. Mr.14,1930. no.1837.

Science. (cont.)

McCrea, A.

Prolonged effect on Digitalis purpurea of exposure under ultra-violet-transmitting glass. Science. 71:346. Mr.28,1930. no.1839.

Macht, D.I.

Contributions to phytopharmacology or the applications of plant physiology to medical problems. Science. 71: 302-306. Mr.21, 1930. no.1838

Experiments with Lypinus alba.

Milkweed as a source of oil, fiber and insulation. Science. v.71, no.1837, Suppl.p. x. Mr.14, 1930. no. 1837.

Sheard, C., Higgins, G.M. & Foster, W.I.

The germination of seeds, growth of plants and development of chlorophyll as influenced by selective solar irradiation. Science. 71: 291-293. Mr.14, 1930. no.1837.

Sideros, C. P.

The proper taxonomic classification of certain pythiacious organisms. Science. 71: 323-324. Mr.21, 1930. no.1838.

Spisy Přírod. Fak. Masaryk. Univ. (Publ. Fac. Sci. Univ. Masaryk)

Nábělek, Fr.

Iter turcico-persicum V. Plantarum collectarum enumeratio (Gramineae-cryptogammae). Spisy Přírod. Fak. Masaryk. Univ. (Publ. Fac. Sci. Univ. Masaryk). no.111. 42 p. illus., pl.i-v. 1929.

Širjaev, G.

Generis Trigonella L. revisio critica II. Publ. Fac. Sci. Univ. Masaryk. no. 110. 37. illus., pl.iv-vi. 1929

Succulenta. (Leeuwarden)

Harders, C. L.

Kalanchoë dyeri N.E. Brown. Succulenta. 12: 37-38. illus. Mr.1930. no.3.

Houten, J.M. van den

Hoe heet die cactus? Succulenta. 12: 38-42. illus. Mr.1930. no.3.

Die Umschau. (Frankfurt)

Falkenberg,

Die babassupalme eine vegetabilische goldgrube. Die Umschau. 34: 213-215. illus. Mr.15, 1930. no.11.

Molz, E.

Schädlingsbekampfung durch reizphysiologie. Der kampf gegen den gefährlichsten feind der zuckerrübe. Die Unschau. 34: 193-195. illus. Mr.8, 1930. no.10.

Nematode.

U.S. Dept. Agr. Circ.

Griffiths, D.

The production of lily bulbs. U.S. Dept. Agr. Circ. 102. 56 p. illus. F.1930 (Mr.)

U.S. Dept. Agr. Plant Dis. Rep.

Winter injury to peach and apple trees. U.S. Dept. Agr. Plant Dis. Rep. 14: 44-52. 2 pl. Mr.15, 1930.

U.S. Dept. Agr. Techn. Bull.

Chace, E.M. & Church, C. G.

Inheritance of composition of Washington navel oranges of various strains propagated as bud variants. U.S. Dept. Agr. Techn. Bull. no.163. 22 p. Mr. 1930.

Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl.

Fischer, W. J.

Die schafweide der Ostalb und ihre pflanzenbestände. Veroffentl. Staatl. Stelle Natursch. Wurtt. Landes. Denkmalpfl. 6: 29-40. illus. Mr.1930.

Vict. Nat. (Melbourne)

Coleman, E.

A new Caladenia. Vict. Nat. 46: 196-197. illus. F. 1930. no.10.

C. longiclavata, n.sp.; C.dilatata v. rhomboidiformis, n.var.

Coleman, E.

Pollination of some west Australian orchids. Vict. Nat. 46: 203-206. F.1930. no.10.

Williamson, H. B.

Notes on some Victorian acacias. Vict. Nat. 46: 198-200. F.1930. no.10.

Zeitschr. Bot. (Jena)
Uspenskaja, W. J.
Ueber die physiologie der ernährung und die formen von Draparnaldia glomerata Agardh. Zeitschr. Bot. 22: 337-393. illus. Mr.1930. no.7/8.

Zeitschr. Indukt. Abstaum. u. Vererbungsl. (Leipzig)
Hartmann, M.
Die sexualität der protisten und thallophyten und ihre bedeutung für eine allgemeine sexualitätstheorie. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 54: 76-126. illus. 1930. no.1/2.

Heinricher, E.
Der bastard von Lilium bulbiferum L. Lilium sp.♂ (tigrinum?). Zeitschr. Indukt. Abstamm. u. Vererbungsl. 54: 307-310. illus. 1930. no.1/2.

Oehlkers, F.
Entwicklung und erblichkeit der sterilität bei der pflanzen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 54: 51-75. illus. 1930. no.1/2.

Philiptschenko, J.
Ueber die systematische stellung des einkornweizens und nochmals über die entwicklung der weizenähre. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 54: 311-318. illus. 1930. no.1/2.

Rybin, W. A.
Karyologische untersuchungen an einigen wilden und einheimischen kultivierten kartoffeln Amerikas. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 53: 313-354. illus., pl.vi-xi. 1930. no.3/4.

Zeitschr. Pilzk. (Leipzig)
Killermann, S.
Pilze aus Bayern. III. Teil. Zeitschr. Pilzk. 14(n.s.9): 24-26. F.28, 1930. no.2.

Zeitschr. Zucht. A. Pflanzenzucht. (Berlin)
Buchinger, A.
Die bedeutung der selektion nach der saugkraft fur die pflanzenzuchtung. Zeitschr. Zucht. A. Pflanzenzucht. 15: 101-114. illus. F.1930. no.2.

Zeitschr. Zücht. A. Pflanzensucht. (cont.)

Hüber, J. A.

Genetische versuche mit salatkartoffeln. Zeitschr. Zücht. A. Pflanzenzucht. 15: 75-85. F. 1930. no.2.

Kolkunow, W.

Einige ergebnisse der nachforschungen über die zellengrosse bei der zuckerrube. Zeitschr. Zücht. A. Pflanzenzucht. 15: 87-99. F. 1930. no.2.

Pammer, F.

Der osmotische wert als selektionsmoment bei futterpflanzen. Zeitschr. Zücht. A. Pflanzenzücht. 15: 115-119. illus. F. 1930. no.2.

Tavčar, A.

Winterfestigkeit und genetisch bedingte tieflage der vegetationspunkte an getreidepflanzen. Zeitschr. Zücht. A. Pflanzenzucht. 15: 63-74. F. 1930. no.2.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie)

Grosset, H.

... Beiträge zur systematik und geographie der veilchen Zentral-Russlands. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 37-50. illus. (incl.map) 1929. no.1.

Russian with German summary & Latin diagnosis of n.sp. (V. tanaitica).

Illichevsky, S. O.

... Plant associations of the vicinity of Poltava and their analysis. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 69-77. 1920. no.1.

Russian with English summary.

Illichevsky, S. O.

... Une station nouvelle station de Gagea borealis Perfiliev. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 93-94. 1929.

Russian with French summary.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Leskov, A. I.
...Vegetationskizze des Sabaflusstales, gouvernement Leningrad. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 5-14. 1929.
Russian with German summary.

Lipschitz, S. J.
... Beiträge zur kenntnis der flora des Sud-Ural-gebirges. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 61-68. 1929. no.1.
Russian.

Sambuk, F. V.
... Beiträge zur flora des nord-europäischen teiles der USSR. Zhrun. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 51-59. 1929. no.1.
Russian with German summary.

Shaternikova, A.N.
... Ueber lentizellen bei Pinus silvestris. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 15-18. illus. 1929. no.1.
Russian with German summary.

Sosnovsky, D. I.
... Sur quelques composées nouvelles ou critiques du Caucase et de ses régions adjacentes. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 79-91. illus. 1929. no.1.
Russian with Latin diagnosis of new spec.

Tsvetkova, E.
On the use of the cobalt-chlorid method in the study of transpiration. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14:19-35. 1929.
Russian with English summary.

Vasil'ev, V.
... Zwei hybriden der flora der Krim. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 101-104. 1929.
Russian with German summary.
Primula acaulis x. P.officinalis v.macrocalyx, Phlomis tuberosa x P.agraria.

Der Züchter. (Berlin)

Kuckuck, H.

Die genetik der gerste. Der Zuchter. 2: 50-60. illus. F.1930. no.2.

Negrul, A.M.

Chromosomenzahl und charakter der reduktionsteilung bei den artbastarden der weinrebe (Vitis). Der Züchter. 2: 33-43. illus. F.1930. no.2.

Exper. Sta. Publ.

MacDaniels, L.H. & Furr, J. R.

The effect of dusting-sulfur upon the germination of the pollen and the set of fruit of the apple. Cornell Agr. Exp. Sta. Bull. 499. 13 p. pl. F. 1930. (Rec'd Mr.)

Eddins, A. H.

Corn diseases in Florida. Florida Agr. Exp. Stat. Bull. 210. 35 p. illus. Ja.1930 (Rec'd Mr.)

Weber, G.F.

Cucumber diseases in Florida. Florida Agr. Exp. Stat. Bull. 208 (rev. of 177). 48 p. illus. N. 1929 (Rec'd Mr.1930).

Pammel, L.H., King, C. M. & Hayden, A.

Marsh cress, a bad weed. Iowa Agr. Exp. Stat. Circ. 120. 8 p. illus. (incl.map) N.1929 (Rec'd Mr.1930).

Radicula palustris.

Hibbard, R. P.

The physiological effect of ethylene gas upon celery, tomatoes, and certain fruits. Mich. Agr. Exp. Stat. Techn. Bull. 104. 30 p. illus. F.1930. (Rec'd Mr.)

Laurie, A.

The use of peat in the greenhouse. Mich. Agr. Exp. Stat. Spec. Bull. 194. 28 p. illus. Ja.1930. (Rec'd Mr.)

Moore, H.C. & Wheeler, E.J.

Seed potato disinfectants compared from the control of scab and black scurf. Mich. Agr. Exp. Stat. Quart. Bull. 12: 94-95. F.1930.(Rec'd Mr.) no.2.

Exper. Stat. Publ. (cont.)

Strong F.C. & Strong, M. C.
Black root of strawberry ruins plantations. Mich. Agr. Exp. Stat. Quart. Bull. 12: 75-79. illus. F.1930. no.3.

New Jersey agricultural experiment station -Dept. of plant pathology.
1929 experiments for the control of rose diseases. (cont.) Its Nursery disease notes v.2, no.9. 4 p. tables. Mr. 1930.
Reprinted in Flor. Exch. 73(3): 37. Mr.29 1930.

Ohio agricultural experiment station - Botany and plant pathology.
[Report] Ann. Rep. Ohio Agr. Exp. Stat. 48(1928/29): 59-77. F.1930.
H.C. Young chief.

Cook, M. T.
Report of the Division of botany and plant pathology. Ann. Rep. Insular Exp. Stat. Porto Rico. 1927/28: 59-66. 1929(Rec'd Mr.1930)
Plant-disease survey: p.61-66.

Wade, B.L.
Inheritance of Fusarium wilt resistance in canning peas. Wisconsin Agr. Exp. Stat. Res. Bull. no. 97. 32 p. illus. D.1929 (Rec'd Mr.1930)

State Publications.

Michigan laws pertaining to noxious weeds. Bull. Michigan State Dept. Agr. no.59. (4) p. illus. 1930.

Rex, E. C.
White pine blister rust in New Jersey. Circ. Dept. Agr. New Jersey. no.170. 21 p. illus., maps. Ja.1930.

New Books.

Boom, B.K.
Botanisch-serologische onderzoekingen. Wageningen, H. Veenman & Zonen, 1930.
Proefschr. Wageningen.

Bresadola, J.
Iconographia mycologia. IX-XII. Mediolani, 1929.

New Books. (cont.)

Büsgen, M.
The structure and life of forest trees...3., rev. and enl. ed. by Dr. E. Munch.... English transl. by Thomas Thomson. N.Y., Wiley, 1929.

Dykes, W.R.
Notes on tulip species... ed. and illustrated by E. Katherine Dykes. London, H. Jenkins, 1930.
The late W.R. Dykes, biographical note by Mr. W. R. Dykes: p.13-15.

Rogers, E. C.
Quantitative determination of vitamin B in spinach and string beans, with a preliminary report on the vitamin A content of the same foods. [n.p. 1928?]
Theses - Univ. Missouri.

Thom, C.
The Penicillia... with assistance of Dr. Margaret B. Church in handling the cultures and in the medical chapter, Dr. O. E. May upon the biochemical chapter and Dr. M. A. Raines in preparing the illustrations. Baltimore, Williams & Wilkins, 1930.

Van de Byl, P. A.
Plantsiektes: hul oorsaak en bestryding. Kaapstad, Nasionale per beperk, 1928.

Zahlbruckner, A.
Catalogue lichenum universalis. bd.6, bog. 21-30, (p. 321-480). Leipzig, Borntraeger, [1930?]

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
APR 2 1930
Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol.12, no.8. Mar.31 - April 12,1930.

Acta Horti Bot. Latv. (Riga)

Apinis, A.
Untersuchungen über die in Lettland gefundenen saprolegniaceen nebst bemerkungen über einige andere wasserpilze. Acta Horti Bot. Latv. 4: 201-246. illus.,pl.i-iv. 1929. no.1/3.

Skuja, H.
Süsswasseralgen von den westestnischen inseln Saaremaa und Hiumaa. Acta Horti Bot. Latv. 4: 1-74. pl.i-iii. 1929. no.1/3.

Starcs, K.
Einiges über die verbreitung und formenkreise der pteridophyten Lettlands. Acta Horti Bot. Latv. 4:77-88. 1929. no.1/3.

Zamelis, A.
Alchemilla álechinii, species nova e Latvia descripta. Acta Horti Bot. Latv. 4:89-93. 1929. no.1/3.

Zamelis, A., and Kvite, A.
Zur verbreitung der Alchemilla-arten in Lettland. Acta Horti Bot. Latv. 4:95-200. illus. 1929. no.1/3.

Acta Soc. Bot. Polon. (Warazawa)

Becker, W. A.
Wpływ barwnikow, stosowanych za życia, na charakter kinezy somatycznej. (Influence des colorants vitaux sur le caractère de la cinèse somatique) Acta Soc. Bot. Polon. 6:214-229. pl.x-xii. 1929. no.3.

Gorczyński, T.
Badania histo-cytologiczne nad kwiatami kłeistogamicznemi u Lamium amplexicaule, Oxalis acetosella i Viola odorata. (Recherches histo-cytologiques sur les fleurs cléistogames chez Lamium amplexicaule, Oxalis acetosella et Viola odorata). Acta Soc. Bot. Polon. 6:248-295. illus., pl.xv-xvii. 1929. no.3.

Acta Soc. Bot. Polon. (cont.)

Krzemieniewska, H.
Przyczynek do biologji śluzowców (Ein beitrag zur biologie der schleimpilze). Acta Soc. Bot. Polon. 6:86-92. 1929. no.2.
German summary.

Kulesza, W.
Oxycoccos microcarpa Turcz. w nadleśnictwie nowogrodzkiem. (Ein standort von Oxycoccos microcarpa bei Nowogródek.) Acta Soc. Bot. Polon. 6:81-85. 1929. no.2.
German summary.

Sienicka, A.
O budowie kwiatów i procesach tworzenia się pyłku u Hemerocallis fulva L. fl. ploeno. (Ueber den blütenbau und die pollenbildungsvorgange bei Hemerocallis fulva fl. ploeno). Acta Soc. Bot. Polon. 6:296-334. illus., pl.xviii-xx. 1929. no.3.

Skalińska, M.
Das problem des nichterscheinens des vaterlichen typus in der spaltung der partiell sterilen Aquilegia-species-bastarde. Acta Soc. Bot. Polon. 6:138-164. illus. 1929. no.2.

Skupieński, F. X.
Sur la coloration vitale de Didymium nigripes (Fr.). Acta Soc. Bot. Polon. 6:203-213. pl.ix. (col.) 1929. no.3.

Sulma, T.
Kosodrzewina i jej zespoly w Gorganach. (Die legföhre und ihre assoziationen in den Gorganen). Acta Soc. Bot. Polon. 6:105-137. pl.ii-iv., fold. tab. 1929. no.2.

Sztajgerwaldówna, M.
Niektóre szczegóły podziału allotypowego u Mercurialis annua ♂. (Quelques détails de la cinèse de maturation chez Mercurialis annua ♂). Acta Soc. Bot. Polon. 6:335-340. pl.xxi-xxii. 1929. no.3.

Acta Soc. Bot. Polon. (cont.)

Szymkiewicz, D.
Études climatologiques. (cont.) Acta Soc. Bot. Polon. 6:93-104. 1929. no.2.

Teleżyński, H.
Garnitures des chromosomes et synchronisme des divisions dans les filaments d'anthérozoïdes chez certaines espèces du genre Chara Vaill. Acta Soc. Bot. Polon. 6:230-247. illus., pl.xiii-xiv. 1929. no.3.

Trela, J.
Wahania górnej granicy lasu na Babiej Górze w świetle analizy pyłkowej. (Veranderungen der oberen waldgrenze im gebiete der Babia-Góra auf grund pollenanalytischer untersuchung). Acta Soc. Bot. Polon. 6:165-186. diagrs. 1929. no.2.
German summary.

Wóyiciki, Z.
Die entwicklung des embryosackes bei Haemanthus katharinae. Acta Soc. Bot. Polon. 6:193-202. illus.,pl.vi-viii(2 fold.) 1929. no.3.

Zabłocka, W.
O kilku nowych stanowiskach maczużnika (Cordyceps).(Ueber neue fundorte einiger Cordyceps-arten). Acta Soc. Bot. Polon. 6:187-191. illus., pl.v. 1929. no.2.
German summary.

Agra. Gaz. N.S.W. (Sydney)

Anderson, R. H.
Farm forestry V. The native and introduced trees of New South Wales. (cont.) Agr. Gaz. N. S. W. 41:223-233. illus. Mr.1,1930. no.3.

Amer. For. & For. Life (Washington, D. C.)

Collingwood, G. H.
Shade trees - their kinds and care. Amer. For. & For. Life 36:225-228. illus. Ap.1930. no.4.

Amer. Midl. Nat. (Notre Dame, Indiana)

Farwell, O. A.
Botanical gleanings in Michigan. VII. Amer. Midl. Nat. 12:44-78. illus. Mr.1930. no.2.

Amer. Midl. Nat. (cont.)

Lyon, M. W.
List of flowering plants and ferns in the Dunes state park, and vicinity, Porter County, Indiana, supplement. Amer. Midl. Nat. 12:33-43. Mr.1930. no.2.

Amer. Potato Journ.

Leach, J. G.
Sources of potato-blackleg infection. Amer. Potato Journ. 7:59-64. Mr.1930. no.3.

Anais Inst. Sup. Agron. Lisboa.

Azevedo Gomes, M. d' and Carvalho e Vasconcellos, J.de.
Herborizações na tapada da Ajuda. Anais Inst. Sup. Agron. Lisboa 3:176-190. 1930.
Park in environs of Lisbon.

Mello Geraldes, C. de, Duarte, C., and Gouveia, F.
Contribution à l'étude de fruits des variétes de palmiers à huile et de leurs huiles. Anais Inst. Sup. Agron. Lisboa 3:227-264. tab.i-xiii. 1930.

Mello Geraldes, C. de
Renseignements sur le palmier à huile en Angola. Anais Inst. Sup. Agron. Lisboa 3:142-150. map. 1930.

Souza da Camera, M. de
Contributiones ad mycofloram lusitaniae. Centuriae VIII-IX. Anais Inst. Sup. Agron. Lisboa 3:59-141. illus. 1930.

Ann. Gembloux (Brussels)

Larose, E., and Verplancke, G.
Observations sur les dommages causés par les froids de l'hiver 1928-1929 aux plantes des jardins et des cultures de l'Institut agronomique de Gembloux. Ann. Gembloux 36:93-120. diagrs. Mr.1930. no.3.

Tcherèdiyw, M. W.
Anatomie du tégument séminal du lupin bleu (Lupinus augustifolius) ainsi que son rôle dans les processus de la germination et de la croissance, Ann. Gembloux 36:25-39. illus. F.1930.
Traduit de l'Ukrainien par G. Yakovliv, A. I.Gx. Publié dans les Annales de l'ecole Polytechnique ukrainienne en Tchécoslovaquie v.1,1927.

Ann. Rep. Nebraska State Bd. Agr.
Gross, D. L.
Smut control in cereals. Ann. Rep. Nebraska State Bd. Agr. 1929:149-159. illus. [1930?]

Ann. Rep. N. Y. Conserv. Dept.
New York. Conservation dept.
Blister rust control. Its Ann. Rept. 19:162-177. illus. 1930.

New York. Conservation dept.
Inoculation experiments in the immunity of white pine to white pine blister rust. Its Ann. Rept. 19:196-197. 1930.

New York. Conservation dept.
Woodgate rust survey and control work. Its Ann. Rep. 19:178-181. illus. 1930.

Ann. Rep. Vet. Serv. Dept. Agr. So. Africa.
Mogg, A. O. D.
Vlei poisoning. Ann. Rep. Vet. Serv. Dept. Agr. So. Africa. 15(v.2,no.5/9):815-830. illus. 1929.
Pt.II, Ecology.
Near Pretoria.

Steyn, D. G.
Recent investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. Ann. Rept. Vet. Serv. Dept. Agr. So. Africa 15(v.2,no.5/9):777-803. 1929.

Better Flow. (Portland, Oreg.)
Purdy, C.
West American lilies. (cont.) Better Flow. 10(4):4,21-22. illus. Ap.1930.

Biochem. Zeitschr. (Berlin)
Butkewitsch, Wl. S., and Fedoroff, M. W.
Ueber die verhältnisse zwischen essig-, bernstein-fumar- und oxalsäure in den kulturen von Mucor stolonifer und einigen anderen pilzen. Biochem. Zeitschr. 219:87-102. illus. Mr.7,1930. no.1/3.

Butkewitsch, Wl. S., and Fedoroff, M. W.
Ueber die umwandlung des äthylalkohols in den kulturen von Mucor stolonifer. Biochem. Zeitschr. 219:103-121. illus. Mr.7,1930. no.1/3.

Biochem. Zeitschr. (cont.)

Lunde, G., and Closs, K.
Ueber die bindungsart des jods bei Laminaria digitata. Biochem. Zeitschr. 219:198-217. Mr.7,1930. no.1/3.

Bol. Min. Agr. Nac. Argentine.

Clos, E. C.
Segunda contribución al conocimiento de los arboles y arbustos cultivados el la Argentina. (Leguminosae - Mimosoideae). Bol. Min. Agr. Nac. Argentine 28:441-465. xviii pl. O./D. 1929. no.4.

Croce, F. M.
Informe preliminar sobre nuevas variedades de uvas obtenidas por la Estación agronómica de la escuela nacional de viticultura de Mendoza. Bol. Min. Agr. Nac. Argentine 28:487-497. 10 pl. O./D.1929. no.4.

Marchionatto, J. B.
Una micocecidia nueva para la Argentina. Bol. Min. Agr. Nac. Argentine 28:468-473. illus. i pl. O./D.1929. no.4.
Exobasidium discoideum on Azalea indica.

Boll. R. Ist. Sup. Agr. Pisa.

Leoncini, G.
Esistono effettivamente lee "secrezioni radicali delle piante?" alcuni saggi per assicurarsene. Boll. R. Ist. Sup. Agr. Pisa 5:471-479. 1929.

Nuccorini, R., and Zaccagnini, A.
Ricerche chimiche sulle frutta. Boll. R. Ist. Sup. Agr. Pisa 4:305-332,333-351,353,381. illus. 1928; 5:451-469. 1929.
I. Intorno ai metodi per la separazione ed il dosaggio degli acidi organici non volatili delle frutta. II. La determinazione degli acidi tartarico citrico, malico e succinico nelle frutta. III. Sulla maturazione precoce e tardiva in rapporto agli acidi delle frutta. IV. Il periodo maturativo in relazione agli ac idi delle frutta.

Nuccorini, R.
Sulle sostanze fluorescenti alla luce di Wood contenute nei vegetali. Boll. R. Ist. Sup. Agr. Pisa 5:571-592. illus. 1929.

Boll. R. Ist. Sup. Agr. Pisa (cont.)

Passerini, N.
Sopra la Cuscuta pentagona Engel. Volg. Cuscuta grossa. Boll. R. Ist. Sup. Agr. Pisa 5:241-249. illus. 1929.

Perotti, R.
Dermatosi, micosi e suberosi dei frutti di susino. Boll. R. Ist. Sup. Agr. Pisa 5:355-358. 1929.

Perotti, R., and Verona, O.
Indagini sui rapporti tra sviluppo della "fumaggine" negli olivi e trattamenti dachicidi. Boll. R. Ist. Sup. Agr. Pisa 5:91-111. illus. 1929.

Perotti, R., and Bonuccelli, G.
Rapporti tra involuzionismo e virulenza nei riguardi del "Macrosporium commune" (Rabh). Boll. R. Ist. Sup. Agr. Pisa 5:371-374. 1929.

Perotti, R., and Pontecorvo, G.
Ulteriori ricerche sulla micro-batteriosi florale e dei frutti dell'oleandro. Boll. R. Ist. Sup. Agr. Pisa 5:363-366. 1929.

Verona, O.
Osservazioni sul parassitismo della "Phyllosticta camelliae" West. Boll. R. Ist. Sup. Agr. Pisa 5:345-347. 1929.

Boll. R. Staz. Patol. Veg. Roma (Firenze)

Curzi, M.
Intorno a una malattia delle foglie di Thea sinensis. Boll. R. Staz. Patol. Veg. Roma n.s., 9:373-392. illus. O./D.1929. no.4.
Cercoseptoria theae.

Petri, L.
Esperienze sulla formazione del sughero delle ferite. Boll. R. Staz. Patol. Veg. Roma n.s., 9:327-352. illus. O./D.1929. no.4.

Petri, L.
Influenza di substrati nutritivi esposti ai raggi ultravioletti sopra lo sviluppo dei funghi. Boll. R. Staz. Patol. Veg. Roma n.s., 9:408-410. O./D.1929. no.4.

Boll. R. Staz. Patol. Veg. Roma (cont.)

Petri, L.

Sulla posizione sistematica del fungo parassita delle piante di limone affète da "mal del secco". Boll. R. Staz. Patol. Veg. Roma n.s., 9:393-396. illus. O/D.1929. no.4.

Deuterophoma n. gen., D. tracheifila, n. sp.

Peyronel, B.

Gli zoosporangi nella Sclerospora macrospora. Boll. R. Staz. Patol. Veg. Roma n.s., 9:353-357. illus. O/D.1929. no.4.

Sansone, Fr.

La produzione artificiale e la cura della "tracheoalternariosi" del pomodoro nella Campania. Boll. R. Staz. Patol. Veg. Roma n.s., 9:397-408. illus. O./D.1929. no.4.

Sibilia, C.

Richerche sulla natura e sulla conservazione del legno della Nave romana di Nemi. Boll. R. Staz. Patol. Veg. Roma n.s., 9:358-372. illus. 1 pl. O./D.1929. no.4.

Bull. Agr. Res. Inst. Pusa

Sattar, A.

Sorosporium paspali McAlp. on Paspalum scrobiculatum L., kodra smut. Bull. Agr. Res. Inst. Pusa no.201. 16 p. 3 pl. 1930.

Bull. Chem. Soc. Japan.

Tao, W. S.

Biochemical studies on rice starch. I-II. Bull. Chem. Soc. Japan. 5:64-69,69-73. F.1930. no.2.

I. The chemical changes of the starch during the germination of rice in darkness. II. Temperature effects on the germination of rice seeds in darkness.

Bull. Scripps Inst. Oceanogr. Techn. Ser. (Berkeley, Cal.)

Allen, W. E.

Methods in quantitative research on marine microplankton. Bull. Scripps Inst. Oceanogr. Techn. Ser. 2:319-329. Ja.22,1930. no.8.

Buley, H. M.

Quantitative studies on inshore diatoms and dinoflagellates of the California coast in 1925. Bull. Scripps Inst. Oceanogr. Techn. Ser. 2:181-187. diagrm. D.19,1929.(Rec'd Ap.1930) no.4.

Bull. Scripps Inst. Oceanogr. Techn. Ser. (cont.)
Fox, D.
Quantitative studies on inshore marine diatoms and dinoflagellates taken at five stations on the east Pacific Coast. Bull. Scripps Inst. Oceanogr. Techn. Ser. 2:189-196. diagrm. D.19,1929. (Rec'd Ap.1930) no.5.

Bull. Soc. Chim. Biol. (Paris)
Jaccard, P.
Variations de l'anhydride carbonique au voisinage. Bull. Soc. Chim. Biol. 12:156-170. diagrs. F.1930. no.2.

Canad. Journ. Res. (Ottawa)
Vanterpool, T. C., and Ledingham, G. A.
Studies on "browning" root rot of cereals. I. The association of Lagena radicicola n. gen.; n.sp., with root injury of wheat. Canad. Journ. Res. 2:171-194. illus., ii pl. Mr.1930. no.3.

Centralbl. Bakt. Abt.II (Jena)
Pistor, R.
Beiträge zur kenntnis der biologischen tätigkeit von pilzen in waldboden. (concl.) Centralbl. Bakt. Abt. II 80:378-410. Mr.24,1930. no.15/22.

Stein, E.
Zur biologie und systematik der puccinien aus der gruppe der P. asteris. Centralbl. Bakt. Abt.II 80:411-425. diagrs. Mr.24,1930. no.15/22.

Compt. Rend. Acad. Agr. France (Paris)
Crépin, Ch.
Emploi du sel en poudre pour la destruction des mauvaises herbes. Compt. Rend. Acad. Agr. France 16:432-439. Mr.19,1930. no.11

Mort de M. A. Ch. Girard. Compt. Rend. Acad. France 16:418-421. Mr.19,1930. no.11.

Compt. Rend. Acad. Sci. Paris
Rabaté, E., and Fleckinger, J.
Sur une réaction colorée des protéides du grain de blé. Compt. Rend. Acad. Sci. Paris 190:748-750. Mr.24,1930. no.12.

Comp. Rend. Labor. Carlsberg

Olsen, C.

On the influence of humus substances on the growth of green plants in water culture. Compt. Rend. Labor. Carlsberg 18:1-16. illus. 1930. no.1.

Compt. Rend. Soc. Biol. Paris

Sokal, N.

Nouvelles recherches sur le "virus filtrant" de la pomme de terre. Compt. Rend. Soc. Biol. Paris 103:955-956. Mr.21,1930. no.11.

Bacillus mesentericus ruber.

Country Life (Amer.) (Garden City, N. Y.)

Barron, L.

The all-purpose azalea. Country Life (Amer.) 57(6):67-68,84. illus. Ap.1930.

Desert (Pasadena)

Berger, F.

Echinomastus erectocentrus, Br. & R., Echinocactus erectocentrus, Coulter. Desert (Pasadena) 1:137. illus. Ap.1930. no.12.

Deut. Landw. Presse (Berlin)

Schlumberger, O.

Die neuen krebsfesten kartoffelsorten. Deut. Landw. Presse 57:157-158. Mr.22,1930. no.12.

Ernähr. Pflanze (Berlin)

Baudyš, E.

Kali als pflanzenschutzmittel in der Tschechoslowakei. Ernähr. Pflanze 26:131-137. illus. Mr.15,1930. no.6.

Floralia (Assen, Netherlands)

Schenk, P. J.

Uit de verslagen. VIII. Bestrijding van een grondschimmel bij Primula's en andere planten. Floralia 51:188-189. illus. Mr.21,1930. no.12.

For. Leaves

Hunt, W. R.

Some important tree rusts of Pennsylvania. For. Leaves 22:125-127. Ap.1930. no.8.

Forstarchiv. (Hannover)
Hilf, R. B., and Schmeel, H.
Die photographie im dienste der zuwachsmessung. Forstarchiv. 6:114-116. illus. 1930. no.6.

Fortschr. Landw. (Vienna)
Hülsenberg, H.
Betrachtung zum auftreten des meltaus (Erysiphe graminis DC) bei winterweizen und sommergerste im jahre 1929 in der Provinz Sachsen. Fortschr. Landw. 5:233-235. Ap.1,1930. no.7.

Schirmer, K.
Wissenschaft und praxis der saatgutbeizung. Fortschr. Landw. 5:241-245. Ap.1,1930. no.7.

Fruits & Gard. (Zeeland, Mich.)
Paddock, W., and Charles, F. G.
Fruit buds on second growth. Fruits & Gard. 28(4):5. illus. Ap.1930.

Gard. Chron. (London)
Darnell, A. W.
The genus Primula. (cont.) Gard. Chron. III, 87:232-233. Mr.22,1930. no.2256.

Grove, A.
Lilium speciosum var. melpomene. Gard. Chron. III, 87:228-229. Mr.22,1930. no.2256.

Latitude, altitude, and hardiness. Gard. Chron. III. 87:219. Mr.22,1930. no.2256.

Gard. Chron. Amer. (New York)
Smith, J. L.
Ramblings through the wildings. Gard. Chron. Amer. 34:153,157. Ap.1930. no.4.
Records the finding of double Trillium.

Gartn.-Tid. (Kobenhavu)
Buchwald, N. F.
Meldug paa begonia. (Oidium begoniae Puttem.) Gartn.-Tid. 46:154-155. Mr.18,1930. no.11.

Godishn. Sofiisk, Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.)

Atanasoff, D.

... Cereal smuts in Bulgaria, 1st contribution. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.) 7:179-202. 1929.

Bulgarian with English summary.

Khristov, M.

... Cytological studies on some species hybrids of Nicotiana. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.) 7:289-302. pl. 1929.

Bulgarian with English summary.

Khristov, M.

... Les variations des organismes d'après la théorie chromosomique de l'hérédite. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Fakul. Agron.) 7:121-138. 1929.

Bulgarian.

Kovachevski, I. Kh.

... Etiology of the bacterial diseases of beans in Bulgaria. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Sofia V. Fakul. Agron.) 7:429-444. 1929.

Bulgarian with English summary.

Blight (B. phaseoli), wilt (B. flaccumfaciens).

Stoichkov, I. P.

... Investigations on the development of some varieties of apple. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Fakul. Agron.) 7:305-340. illus. 1929.

Bulgarian with English summary.

Hacienda (Buffalo)

Crane, L.

La planta más costosa del mundo. Hacienda 25:166-169. illus. Ap.1930. no.4.

Ginseng.

Loma, J. L. de la

El Cercospora de la remolacha. Hacienda 25:173-174. illus. Ap.1930. no.4.

Hojas Divulg. Serv. Publ. Agr. Dir. Gen. Agr. y Montes. Spain.
Morales Antequera, C.
Desinfección de semillas. Hojas Divulg. Serv. Publ. Agr. Dir. Gen. Agr. y Montes, Spain. v.23, no.17/18. 4 p. S.1929 (Rec'd Ap.1930)

Hoosier Hort. (Lafayette, Inc.)
Gardner, M. W.
Effectiveness of early canker prevention in control of apple blotch. Hoosier Hort. 12:56-59. Ap.1930. no.4.

Indian For. (Dehra Dun)
Parker, R. N.
Three new spiraeas from the N. W. Himalaya. Indian For. 56:105-108. pl.20. Mr.1930. no.3.
Spiraea lycioides, S. affinis, S. hazarica.

Singh, S.
The bar tree (Ficus bengalensis). Indian For. 56:138-140. Mr.1930. no.3.

Industr. & Engin. Chem. (Easton, Pa.)
Gerhardt, F.
Commercial possibilities of the common milkweed as indicated by its yield and composition. Industr. & Engin. Chem. 22:160-163. illus. F. 1930. no.2.
Fiber, oil, cellulose.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ.(Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm.)
Petrova-Trefilova, L. A.
...On the soil fidelity of plants and plant communities of a certain part of the Troitsk district (Ural region). Izv. Biol. Nauchno-Issled. Inst. i Biel. Stan. Permsk. Gosud. Univ. (Bull. Inst.(Rech. Biol. & Stat. Biol. Univ. Perm.) 7: 1-26. 1930. no.7.
Russian with English summary.

Petrova-Trefilova, L. A.
...On the spreading of the root systems of Stipa capillata L. and Artemisia maritima Bess. f. salina Willd. in the soil horizons of different soils. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & State.Biol. Univ. Perm) 7:27-42. 5 pl. 1930. no.7.
Russian with English summary.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm)

Ponomarev, A. N.

...The root systems of the steppe lucerne Medicago falcata L. in different ecological conditions. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. Stan. Permsk. Univ. Perm) 7:43-59. 5 pl. 1930. no.7.

Russian with English summary.

Journ. Agr. Res. (Washington, D.C.)

Culpepper, C.W. & Magoon, C.A.

Effect of defoliation and root pruning on the chemical composition of sweet-corn kernels. Journ. Agr. Res. 40:575-583. Mar. 15, 1930 (Rec'd Ap.2) no.8.

Drechsler, C.

Leaf spot and foot rot of Kentucky bluegrass caused by Helminthosporium vagans. Journ. Agr. Res. 40:447-456. illus., Mr.1, 1930 (Rec'd Mr.28) no.5.

Drechsler, C.

Repetitional diplanetism in the genus Phytophthora. Journ. Agr. Res. 40:557-573. illus. Mr.15, 1930 (Rec'd Ap.2) no.6.

McKinney, H.H.

A mosaic of wheat transmissible to all cereal species in the tribe Hordeae. Journ. Agr. Res. 40:547-556. illus. Mr.15, 1930 (Rec'd Ap.2) no.6.

Mains, E.B.

Effect of leaf rust (Puccinia triticina Eriks.) on yield of wheat. Journ. Agr. Res. 40:417-446. illus., Mr.1, 1930 (Rec'd Mr.28) no.5.

Pack, D. A.

Selection characters as correlated with percentage of sucrose, weight, and sucrose content of sugar beets. Journ. Agr. Res. 40:523-546. illus. Mr.15, 1930 (Rec'd Ap.2) no.6.

Waldo, G. F.

Fruit-bud formation in everbearing strawberries. Journ. Agr. Res. 40:409-416. illus., Mr.1, 1930. (Rec'd Mr.28) no.5.

Waldo, G. F.

Fruit-bud development in strawberry varieties and species. Journ. Agr. Res. 40:393-407. illus., Mr.1, 1930 (Rec'd Mr.28) no.5.

Journ. Pharm. Soc. Japan.
Kariyone, T. & Sato, T.
Ueber die giftigen bestandteile von Coriaria japonica, A. Gray. Journ. Pharm. Soc. Japan 50:17-18. F.1930. no.2.

Journ. Washington Acad. Sci.
Morton, C.V.
A new species of Esenbeckia from Texas. Journ. Washington Acad. Sci. 20:135-136. Ap.4, 1930. no.7.
E. runyoni.

Kosmos (Lwów, Poland)
Nowiński, M.
Zespoły roślinne Puszczy Sandomierskiej (Les associations végétales de la grande forêt de Sandomierz) II. Matériaux pour servir à la connaissance de la sociologie végétales des forêts mixtes, dont la composition s'en rapproche.) Kosmos (Lwów, Poland) 54:595-674. illus.,pl.1-19,,tab., map. 1929.
Polish with French summary.

Kosmos (Stuttgart)
Litzelmann, E.
Frülingsblumen der Alpen. Kosmos 27:111-116. illus. Ap.1930. no.4.

Malayan Agr. Journ. (Kuala Lumpur)
Sharples, A.
Coconut research in Malaya. Malayan Agr. Journ. 18:71-77. F.1930.

Ward, F. S.
Banana growing in Malaya and the presence of diseases. Malayan Agr. Journ. 18:63-70. pl.i-v. F.1930. no.2.

Matières Grass. (Paris)
Pieraerts, J., Adriaens, J. & Meulenberg, J.
Contribution à l'ètude chimique d'une sapotacée arborescente du Congo belge. Une nouvelle source d'obtention facile rapide d'acide stéarique pur. (cont.) Matières Grass 22:8782-8785. Mr.15,1930. no.263.

Pieraerts, J., Castagne, E., & Adriaens, L.
Contribution à l'étude chimique des légumineuses oléagineuses du Congo belge. I. Le pois corail ou "Adenanthera pavonina". Matières Grass 22:8785-8787. Mr.15,1930. no.263.

Meddel. Vesttland. Forstl. Forsøksst.
Vo, Søren
Skogtraernes forekomst og høidegrenser i Ardal. Plantegeografiske og bygdehistoriske studier. Meddel. Vestland. Forstl. Forøksst. no.13(v.4,no.3) 94 p. illus., 8 pl., fold.map. 1930.

Meded. Landbouwhoogesch. Wageningen.
Gulik, D. van
Het absorptiespectrum van chlorophyl, tusschen de golflengten 3,55 en o,25 micron. Meded. Landbouwhoogesch. Wageningen 34(2). 9 p. illus. 1930.

Suringar, J. V.
Persoonlijke opvattingen bij de toepassing der internationale botanische regels der nomenclatuur of evenals bij de regels zelf, internationaäl overleg? III. Een aantal nomenclatuurgevallen van coniferen en loofhoutsoorten. Meded. Landbouwhoogesch. Wageningen 34(1). 35 p. 1930. no.1.
English summary: p. 26-35.

Mem. Dept. Agr. India Bot. Ser.
Afzal, M.
Studies in the inheritance in cotton. Mem. Dept. Agr. India Bot. Ser. 17:75-115. illus., 1 fold. pl. F.1930. no.4.

Missouri Bot. Gard. Bul. (St. Louis)
LaGarde, R. V.
A plant that stopped navigation. Missouri Bot. Gard. Bull. 18:48-51. pl.12-13. Mr.1930. no.3.
Water hyacinth.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Brandt, A.
Krankheitsfeste treibrosen. Möller's Deut. Gärtn.-Zeit. 45:100. Mr.21,1930. no.9.

Meissner, C.
Agave americana als heilpflanze. Möller's Deut. Gärtn.-Zeit. 45:103-104. Mr.21,1930. no.9.

Nat. Hort. Mag. (Washington,D.C.)
Correvon, H.
The sempervivums - les joubarbes.(cont.) Nat. Hort. Mag. 9:63-67. Ap.1930. no.2.
Translated by B.Y. Morrison.

Nat. Hort. Mag. (cont.)

Lemperg, F.
Roscoea. Nat. Hort. Mag. 9:76-79. illus. Ap.1930.
Translated by B.Y.Morrison from Gartenschönheit. July,1929.

Wherry, E. T.
Neglected natives: 4. Oconee-bells. Nat. Hort. Mag. 9:88,90. illus. Ap.1930. no.2.

Naturw, u. Landw. (Freising München).

Löhner, L.
Die inzucht... Freising-München, F. P. Datterer & Cie., 1930. (Naturwissenschaft und Landwirtschaft... hrsg. von F. Boas, C. Neuberg & A. Rippel. h.6)

Thellung, A.
Die entstehung der kulturpflanzen... hrsg. J. Braun-Blanquet. Freising-München, F.P. Datter & Cie., 1930. (Naturwissenschaft und Landwirtschaft... hrsg. von F. Boas, C. Neuberg & A. Rippel. h. 16)

Naturwissensch. (Berlin)

Feichtinger, N.
Ueber die einwirkung von α - und β - strahlen auf das protoplasma. Naturwissensch. 18:252-257. illus. Mr.21,1930. no.12.

Nederl. Kruidk. Arch. (Amsterdam)

Henrard, J. Th.
Asthenochloa, a neglected Indian genus of the Gramineae. Nederl. Kruidk. Arch. 1929:579-582. Mr.1,1930. no.3.

Leeuw, W. C. de
Vollenhove. Nederl. Kruidk. Arch. 1929:458-578. 2 pl. Mr.1,1930. no.3.
Verslag van de excursie der Ned. botanische vereeniging op 21 Juli 1928 en volgende dagen opgesteld in samenwerking met de subcommissie voor het onderzoek van de flora der Zuiderzee.

Soest, J. L. van
Flora van Arnheim. VII. Nederl. Kruidk. Arch. 1929:405-414. Mr.1,1930. no.3.

Stomps, T. J.
Over Bowlesia tenera Spreng. (B. incana R. et P. var. B. tenera (Spreng.) Urban). Nederl. Kruidk. Arch. 1929:583-585. illus. Mr.1,1930. no.3.

Nederl. Kruidk. Arch. (cont.)
Swart, J. J.
Over de flora van Urk en Schokland. Nederl. Kruidk. Arch. 1929:425-457. Mr.1,1930. no.3.

New Zeal. Journ. Agr. (Wellington)
Connell, R. P.
Eradication of tall fescue. Methods practised in the Manawatu district. New Zeal. Journ. Agr. 40:93-99. illus. F.20,1930. no.2.

Guthrie-Smith, H.
Grassland evolution at Tutira. Turfs of fifty years. New Zeal. Journ. Agr. 40:84-92. F.20,1930. no.2.

Hewlett, C. H.
Hot-water treatment of seed barley.(cont.) New Zeal. Journ. Agr. 40:104-107. F.20,1930. no.2.

Nov. Dostizh. i Persp. Oblasti Agron. Gosud. Inst. Opytn. Agron. (Recent Attainm. & Persp. Agron. State Inst. Exp. Agron.)
Bachtin, V. S.
...Ways and perspectives in the study of flax diseases. Nov. Dostizh. i Persp. Oblasti Agron. Gosud. Inst. Opytn. Agron. (Recent Attainm. & Persp. Agroh. State Inst. Exp. Agron.) 3. 21p. 1929.
Russian.

Jaczewski, A. A.
...The actual situation of phytopathology in U.S.S.R. and abroad. Nov. Dostizh. i Persp. Oblasti Agron. Gosud. Inst. Opytn. Agron. (Recent Attainm. & Persp. Agron. State Inst. Exp. Agron.) 10. 23 p. 1929.
Russian

Pharm. Zentralh. (Dresden)
Fischer, H. A.
Mikroskopische untersuchung der raute. Pharm. Zentralh. 71:162-168. illus. Mr.13,1930. no.11.
Ruta graveolens.

Philipp.Agr. Rev. (Manila)
Aldaba, V. C.
Observations on citrus gummosis and its methods of control in the Philippines. Philipp. Agr. Rev. 22:345-352. pl.lxv. 1929. no.4.

Philipp. Agr. Rev. (cont.)
Reyes, G. M.
A preliminary report on the stem-rot of rice. Philipp. Agr. Rev. 22:313-331. pl.liv-lxii. 1929. no.4.

Plant Physiology.
Andrews, F.M.
Hugo de Vries. Plant Physiology 5:175-180. illus., pl.i (port.) Ja.1930. no.1.

Benoy, M. P., & Webster, J. E.
Note on the rate of respiration to chemical composition in fresh vegetables. Plant Physiology 5:181. Ja.1930. no.1.

Borodin, D. N.
Energy emanation during cell division processes (M. rays). Plant Physiology 5:119-129. illus. Ja.1930. no.1.

Conrad, C. M.
A furfural-yielding substance as a splitting product of protopectin during the ripening of fruits. Plant physiology 5:93-103. Ja.1930. no.1.

Eisenmenger, W. S.
Toxicity of some aliphatic alcohols. Plant Physiology 5:131-156. diagrs. Ja.1930. no.1

Mack, W. B.
The relation of temperature and the partial pressure of oxygen to respiration and growth in germinating wheat. Plant Physiology 5:1-68. illus. Ja.1930. no.1.

Shapovalov. M., & Jones, H. A.
Changes in the composition of the tomato plant accompanying different stages of yellows. Plant Physiology 5:157-165. Ja.1930. no.1.

Skeen, J. R.
Experiments with Trianea on antagonism and absorption. Plant Physiology 5:105-118. Ja. 1930. no.1.

Weaver, J. E., & Himmel, W. J.
Relation of increased water content and decreased aeration to root development in hydrophytes. Plant Physiology 5:69-92. illus. Ja.1930. no.1.

Poona Agr. Coll. Mag. (Poona City)

Gokarn, M. R.

Palmyra palm and its uses in gul manufacture. Poona Agr. Coll. Mag. 21:241-252. F.1930. no.4.

Patwardhan, G. B.

Correlation between the green colour and bloom in castors. Poona Agr. Coll. Mag. 21: 210-212. F. 1930. no.4.

Thadani, K. I.

Progress of cotton research in Sind. Poona Agr. Coll. Mag. 21:.198-202. F.1930. no.4.

Proc. Roy. Soc. Edinb.

Bower, F. O.

R. J. Harvey-Gibson, C.B.E., D.L., M.A., D.Sc. Proc. Roy. Soc. Edinb. 49: 384-385. 1930. no.4.

Smith, W. W.

Sir William Turner Thiselton-Dyer, K.C.M.G., C.I.E., M.A., L.L.D., F.R.S. Proc. Roy. Soc. Edinb. 49: 337. 1930. no.4.

Progr. Agr. & Vitic. (Montpellier)

Bachala, A.

Destruction des mauvaises herbes dans les blés par l'acide sulfurique. Progr. Agr. & Vitic. 47: 310-314. Mr.30, 1930. no.13.

Quart. Circ. Rubber Res. Scheme Ceylon.

Murray, R. K. S.

Diseases of rubber in Ceylon, 1929. Quart. Circ. Rubber Res. Scheme Ceylon. 1929(4): 5-8. F. 1930.

Rec. Trav. Bot. Néerl. (Amsterdam)

Costerus, J. C.

Variations and deviations. Rec. Trav. Bot. Néerl. 26: 128-134. illus. 1929. no.1.

Funke, G. L.

On the heredity of some characteristics in two strains of Aspergillus flavus-oryzae. Rec. Trav. Bot. Néerl. 26: 1-14. 1929. no.1.

Gouwentak, C. A.

Untersuchungen über den N-stoffwechsel bei Helianthus annuus L. Rec. Trav. Bot. Néerl. 26: 19-96. 1929. no.1.

Rec. Trav. Bot. Néerl. (cont.)
Meer Mohr. J.C. van der.
Abnormale fruchtentwicklung bei Rhizophora conjugata. Rec. Trav. Bot. Néerl. 26:15-18. illus. 1929. no.1.

Seybold, A. & Woy, H.G. van der
Untersuchungen über iso- und heterokalorische laubblätter. Rec. Trav. Bot. Néerl. 26: 97-127. illus. 1929. no.1.

Repert. Spec. Nov. Fedde (Berlin)
Aellen, P.
Ein neues Chenopodium von St.Helena. (Ch.[sect. Chenopodiastrum Moq.[helenense Aellen). Repert. Spec. Nov. Fedde. 27: 335-336. F.20, 1930. no.16/25.

Becherer, A.
Neue sippen und neue kombinationen aus den jahren 1920-1925. Repert. Spec. Nov. Fedde. 27 (Repert. Europ. & Med. 3, 4/7): 365-366. F.20, 1930. no.16/25.

Becherer, A.
Nomenklaturisches aus Chevallier's Flore de Paris. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 366-368. F.20, 1930. no.16/25.

Bornmüller, J.
Doronicum austriacum x pardalianches (hybr. nova). Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 348-352. F.20, 1930. no.16/25.

Bornmüller, J.
Helianthemum germanicopolitanum Bornm., eine neue art der sektion Ortholobium-Polystachum aus Kleinasien. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 352-354. F.20, 1930. no.16/25.

Bornmüller, J.
Ueber einige neue Verbascum-arten, sektion Lychnitis, der flora Anatoliens. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 354-365. F.20, 1930. no.16/25.

Bornmüller, J.
Ueber zwei neue fritillarien der flora Persiens, sowie bemerkenswertes über andere orientalische arten dieser gattung. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 337-348. F.20, 1930. no.16/25.
F. eggeri, F. foliosa.

Repert. Spec. Nov. Fedde. (cont.)

Czerniakowska-Reinecke, E.
Letzte neuheiten über die flora Turkmenistans und Nordpersiens. Repert. Spec. Nov. Fedde. 27: 262-287. F.20, 1930. no.16/25.

Flaksberger, C.
Eutriticum verscheidener länder in herbarien und kollektionen von Deutschland, Oesterreich, Frankreich, Dänemark und Schweden. II. Repert. Spec. Nov. Fedde. 27: 241-253. F.20, 1930. no. 16/25.

Gyelnik, V.
Ochrolechiae nonnulae novae. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 391-392. F.20, 1930. no.16/25.
O. albosorediosa, O.tatrica, O. roseosorediosa.

Hillmann, J.
Einige bemerkungen über der roten usneen. Repert. Spec. Nov. Fedde. 27: 287-291. F.20, 1930. no.16/25.

Hosseus. C. C.
Gymnocalycium bruchii (Speg.) Hoss. Repert. Spec. Nov. Fedde. 27: 256-261. F.20, 1930. no.16/25.

Kränzlin, F.
Catasetum gongoroides spec.nov. aus Colombia. Repert. Spec. Nov. Fedde. 27: 254. F.20, 1930. no.16/25.

Kränzlin, F.
Pleurothallis rhodosticta spec.nov. Repert. Spec. Nov. Fedde. 27: 255. F.20, 1930. no.16/25.

Krösche, E.
Beobachtungen an der gesamtart Epipactis latifolia All. im braunschweiger Weserlande (West-Braunschweig) und bei Hildesheim (Prov. Hannover). Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 368-379. F.20, 1930. no.16/25.

Krösche, E.
Vergleichende betrachtungen des epichils und gynostems aus der gesamtart Epipactis latifolia All. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 379-383. F.20, 1930. no.16/25.

Repert. Spec. Nov. Fedde. (cont.)

Mansfeld, R.
Orchidaceae austrosinenses novae vel rariores. Repert. Spec. Nov. Fedde. 27: 294-296. F.20, 1930. no.16/25.
Anoectochilus densiflorus, Chrysoglossum sinense n.sp.

Maskovski, Ed.
Einige falsche namenableitungen von den gattungen Dichelyma, Lacistema, etc. Repert. Spec. Nov. Fedde. 27: 293-294. F.20, 1930. no.16/25.

Novák, F. A.
Dianthi fimbriati europaei VI. (concl.) Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 383-391, F.20, 1930. no.16/25.

Nyárády, E. J.
Neue beiträge zur kenntnis der balkanischen Alyssum-arten. Repert. Spec. Nov. Fedde. 27(Repert. Europ. & Med. 3, 4/7): 392-395. pl. ciii. F.20, 1930. no.16/25.

Schlechter, R.
Einige neue orchideen des Itatiaya (Brasilien). Repert. Spec. Nov. Fedde. 27: 296-301. F.20, 1930. no.16/25.

Schmidt, O. C.
Beiträge zur kenntnis der aristolochiaceen, II. Repert. Spec. Nov. Fedde. 27: 292-293. F.20,1930. no.16/25.

Wolff, H.
Umbelliferae Asiaticae novae relictae. III. Repert. Spec. Nov. Fedde. 27: 301-335. F.20, 1930. no.16/25.

Rep. Pacific Northw. Wheat Improv. Conf. 1928.

Heald, F. D.
Needed expansion of reaearch for disease control. Rep. Pacific Northw. Wheat Improv. Conf. 1928, 47-52. [1929?]
[Mimeographed]

Rep. Pacific Northw. Wheat Improv. Conf. 1928 (cont.)

Johnson, E. C.

Basic considerations in a crop improvement program. Rep. Pacific Northw. Wheat Improv. Conf. 1928: 38-42. [1929?]

[Mimeographed]

Raeder, J. M.

Discussion of reaearch for disease control. Rept. Pacific Northw. Wheat Improv. Conf. 1928: 53-55. [1929?]

[Mimeographed]

Whitlock, B. W.

Principal defects of our northwest wheats. Rep. Pacific Northw. Wheat Improv. Conf. 1928: 11-25. [1929?]

[Mimeographed]

Rev. Gén. Bot. (Paris)

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. (cont.) Rev. Gén. Bot. 42: 159-163. Mr.1930. no.495.

Chauveaud, G.

Les objections formulées contre la phyllorhize ne sont pas justifiées. Rev. Gén. Bot. 42: 185-192. Mr.1930. no.495.

Guilliermond, A.

Recherches ultramicroscopiques sur les cellules végétales. Rev. Gen. Bot. 42: 129-143. illus., pl.8-18. Mr. 1930. no.495.

Ling-Young, M.

Etude biologiques des phénomènes de la sexualité chez les mucorinées. Rev. Gén. Bot. 42: 144-158. illus. Mr.1930. no.495.

Michel-Durand, E.

Recherches physiologiques sur les composés tanniques (cont.) Rev. Gén. Bot. 42:164-184. Mr. 1930. no.495.

Rev. Hort. (Paris)

Durivault, G.
Plante decorative: la "tomate de la paz". Rev. Hort. 102: 52-54. illus. Mr.16, 1930. no.3.

Lesourd, F.
Les plus gros arbres de France. I. Feuillus (cont.) Rev. Hort. 102: 60-61. Mr.16, 1930.
Wistaria chinensis, Sambucus nigra, Syringa vulgaris.

Rhodora. (Boston)

Cory, V. L.
A new Salviastrum from the Edwards Plateau of Texas. Rhodora. 32: 89-90. Ap. 1930. no.376.
S. dolichanthum.

Fernald, M. L.
The complex Bromus ciliatus. Rhodora. 32: 63-71. pl.196. Ap.1930. no.376.

Fernald, M. L.
The identities of Juncus canadensis and of J. brevicaudatus. Rhodora. 32: 83-88. pl. 198. Ap. 1930. no.376.

Fernald, M. L.
Potamogeton alpinus and P. microstachys. Rhodora. 32: 76-83. pl. 197. Ap.1930. no.376.

Fernald, M. L.
Some varieties of the amphigean species of Osmunda. Rhodora. 32: 71-76. Ap.1930. no.376.

Raup, H. M.
The pollinization of Habenaria obtusata. Rhodora. 32: 88-89. illus. Ap.1930. no.376.

Sbornik Ceskoslov. Akad. Zeměd. (Praha)

Kopecký, Ot. & Almendinger, V.
Individuální obsah dusiku v semenech hrachu. (ueber den individuellen stickstoffgehalt der erbensamen). Sbornik Ceskoslov. Akad. Zeměd. 5: 67-87. illus. 9 tab. 1930. no.1.
Czechoslovakian with German summary.

Sbornik Ceskoslov. Akad. Zeměd. (cont)

Kopecky, Ot. & Almendinger, V.

Individualni obsah dusiku v zrneck kukuřice. (Ueber den individuellen stickstoffgehalt der maiskörner). Sbornik Ceskoslov. Akad. Zeměd. 5: 89-100. tab. 1930. no.1.

Vodrážka, O.

O fluorescenci dřeva. (Die fluoreszenz des holzes. Sbornik Ceskoslov. Akad. Zemed. 5: 1-46. illus., pl. i-vi. (partly col.) 1930. no.1.

Czechoslovakian with German summary.

Schewiz. Landw. Monatsh. (Bern)

Marbach, W.

Kohlensäure und pflanzenwachstum in theorie und praxis. Schweiz. Landw. Monatsh. 8: 25-38. illus. 1930. no.2.

Schweiz. Zeitschr. Forstw. (Bern)

Becherer, A.

Ueber das vorkommen der mistel im Tessin. Eine richtigstellung. Schweiz. Zeitschr. Forstw. 81: 114-115. Mr. 1930. no.3.

Jaccard, P.

Ueber die mechanischen und physiologischen wirkungen des windes auf die gestalt der baumstämme. Schweiz. Zeitschr. Fortw. 81: 87-99. Mr. 1930. no.3.

Science. (Lancaster, Pa.)

Burnside, C. E.

A convenient method of reducing desiccation in slant cultures. Science. 71: 365-366. illus. Ap.4, 1930. no.1840.

Essig, E. O.

Plant quarantine. Science. 71: 350-353. Apr.4, 1930. no.1840.

Professor Augustine Henry... Science. 71: 353. Apr.4, 1930. no.1840.

Notice of death.

Scient. Agr. (Ottawa)

Derick, R. A.

A new "dwarf" oat. Scient. Agr. 10: 539-542. Ap. 1930. no.8.

Scient. Agr. (cont.)

Harrington, J. B.
A test of the effect of environment on geneticallysimilar Marquis wheat. Scient. Agr. 10: 513-519. illus. Ap.1930. no.8.

Newton, W. & Yarwood, C.
The downy mildew of the hop in British Columbia. Scient. Agr. 10: 508-512. Ap. 1930. no.8.

Soil Sci. (Baltimore)

Gericke, W. F.
Plant-food requirement of rice. Soil Sci. 29: 207-219. 3 pl. Mr.1930. no.3.

Prince, A. L. & Blair, A. W.
Soil and crop studies with ammonium sulfate. Soil Sci. 29: 267-274. 3 pl. Ap. 1930. no.4.

Sessions, A. C.
Method for the determination of inorganic nitrogen in dried plant tissue. Soil Sci. 29: 285-289. illus. Ap.1930. no.4.

So. African Gard. (Johannesburg)

Bolus, L.
Mesembrianthemum and allied genera. (cont.) Dactylopsis digitata, N.E.Br. So. African Gard. 20: 79. illus. Mr. 1930. no.3.

Bolus, L.
Notes on South African Ceropegias. So. African Gard. 20: 90. illus. Mr. 1930. no.3.

So. Afr. Journ. Sci. (Johannesburg)

Bottomley, A. M.
The development of South African mycology and of the mycological herbarium at Pretoria. So. Afr. Journ. Sci. 26: 326-331. 1929.

Compton, R. H.
The flora of the Karoo. So. Afr. Journ. Sci. 26: 160-165. 1929.

So. Afr. Journ. Sci. (cont.)

Doidge, E. M.
Some diseases of citrus prevalent in South Africa. So. Afr. Journ. Sci. 26: 320-325. 1929.
Alternaria rots; organisms of minor or periodic importance; blemishes which may lead to mould wastage.

Hitchcock, A. S.
The relation of grasses to man. So. Afr. Journ. Sci. 26: 133-138. 1929.

Levyns, M. R.
The problem of the rhenoster bush. So. Afr. Journ. Sci. 26: 166-169. 1929.
Elytropappus rhinocerotis.

Marloth, R.
Remarks on the realm of the Cape flora. So. Afr. Journ. Sci. 26: 154-159. 1929.

Neethling, J. H.
Will the inhibitor (dwarfness) throw new light on the "multiple factor hypothesis" of quantitative characters? So. Afr. Journ. Sci. 26: 170-183. 1929.

Phillips, E. P.
A brief sketch of the flora of the environs of Pretoria. So. Afr. Journ.Sci. 26: 184-189. 1929.

Phillips, J.F.V.
Some important vegetation communities in the central province of Tanganyika Territory (formerly German East Africa). So. Afr. Journ. Sci. 26: 332-372. 1929.

Roux, E. R.
Observations on Marsilia macrocarpa Presl. So. Afr. Journ. Sci. 26: 311-317. illus. 1929.

Van der Byl, P. A.
Descriptions of some previously unnamed South African fungi. V. So. Afr. Journ. Sci. 26: 318-319. 1929.
Thyriopsis proteae, Phyllosticta canavaliae, Coryneum dovyalidis, Peziza africana, Lembrosia durbana, Parasterina africana.

So. African Journ. Sci. (cont.)

Verdoorn, I. C.

Notes on the vegetation of the Fountains Valley, Pretoria. South Afr. Journ. Sci. 26: 190-194. 1929.

Zahn, G.A. & Neethling, J. H.

The cluster pine (Pinus pinaster) at the Cape. So. Afr. Journ. Sci. 26: 195-210. 1929.

Zahn, G.A. & Neethling, J. H.

Notes on the exotic trees in the Cape Peninsula. So. Afr. Journ. Sci. 26: 211-234. 1929.

South. Flor. (Forth Worth, Tex.)

Ruth, A.

Three introduced plants. South. Flor. 29(1): 15-16. Ap.4, 1930.

Polanisia trachysperma, Potentilla recta & Muscar botryoides found at Fort Worth, Tex.

Special Crops. (Skaneatekes, N.Y.)

Goddard, J. W.

Pinkroot (Spigelia marilandica). Habitat and range. Special Crops. 29: 94-95. illus. Ap. 1930. no.332.

Sver. Utsädesför. Tidskr. (Svålof)

Åkerman, Å.

Svalöfs guldregnshavre II. (cont.) Några erfarenheter från de senaste årens försök. Sver. Utsädesför. Tidskr. 40: 9-11. 1930. no.1.

Nilsson-Ehle, H.

Hans Tedin. Sver. Utsädesför. Tidskr. 40: 49-51. port. 1930. no.1.

Wålstedt, I.

Bidrag till fragan om resistens mot svartrost. Sver. Utsädesför. Tidskr. 40: 12-18. 1930. no.1.

Tectona. (Buitenzorg)

Klerk, F.W.K. de. & Japing, H.W.

Cultuurproeven met Acacia decurrens op Java. (The cultivation of Acacia decurrens in Java). Tectona. 23: 3-103. illus. Ja./F.1930. no.1/2.

English summary.

Tijdschr. Plantenz. (Amsterdam)

Poeteren, N. van.

Het aardappel-wortelaaltje. Tijdschr. Plantenz. 36: 61-64. Mr. 1930. no.3.

Poeteren, N.Van.

Bestrijdingsmiddelen tegen plantenziekten voor twintig jaar en thans. Tijdschr. Plantenz. 36: 49-61. Mr. 1930. no.3.

Trans. Nat. Hist. Soc. Formosa.

Yamamoto, Y.

Contributiones ad floram Formosanum, II. Trans. Nat. Hist. Soc. Formosa. 20: 38-42. F.1930. no.106.

Calanthe kazuoi, Cymbidium linearisepalum, (f. atropurpurea & f. atrovirens), Plantago major var. sawadai, n.sp. & var.

Trop. Agr. (Ceylon) (Peradeniya)

Cheesman, E. E.

Cane variety problems of the West Indian region. Trop. Agr. (Ceylon) 7: 96-98. Ap. 1930. no.4.

U.S. Dept. Agr. Misc. Publ.

Detwiler, S. B.

Black currant spreads white-pine blister rust. U. S. Dept. Agr. Misc. Publ. 27. 8 p. illus. rev. Mr. 1930.

U. S. Dept. Agr. Plant Dis. Rep.

Apple scab in 1929. U. S. Dept. Agr. Plant Dis. Rep. 14: 56-62. Ap.1, 1930. no.7.

More winter injury to peaches and other fruits. U.S. Dept. Agr. Plant Dis. Rep. 14: 62-65. Ap.1, 1930.

Veröffentl. Landwirtschaftsk. Rheinprov.

Das Bernstiel'sche Nephrolepis-sortiment. Veroffentl. Landwirtschaftsk. Rheinprov. n.S., 18; 26-40. 8 pl. on 5. 1930.

Kulturversuche unter glassorten, die ultra-violetten strahlen durch lassen brephoglas und ultravitglas. Veröffentl. Landwirtschaftsk. Rheinprov. n.S., 18: 49-50. 1930.

Věstnik Českosl. Akad. Zeměd. (Praha)

Polanský, B.

Účinek neobyčejně tuhé zimy v roce 1928-29 na lesní dřeviny. (Die wirkung des aussergewöhnlich strengen winters 1928/29 auf die wäldbäume.) Věstnik Českosl. Akad. Zeměd. 6: 274-278. illus. Mr.1930. no.3.

German summary.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Munerati, O. & Costa, T.

Osservazioni sulla trasmissione del carattere "pelle nera" nella barbatietola. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 54: 458-465. illus. 1930. no.3/4.

Zeitschr. Zuckerind. Čechoslovak, Rep.

Bartoš, V.

Die rubengefässbündel. Zeitschr. Zuckerind. Čechoslovak. Rep. 54: 289-296. F.28, 1930. no.26.

Pázler, J.

Die resorption der phosphorsäure und des kalis durch die keimenden getreidepflanzen. Zeitschr. Zuckerind. Čechoslovak. Rep. 54: 297-304. diagr. Mr.7, 1930. no.27.

Uebersetzt von Franz Heller. Uebersetzung des am. 17. Dezember 1929 in čechischer sprache vorgelegten und in " Listy Cukrovarnicke" 48, 1929/30, 261 veroffentlichten originalartikels.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie)

Elenkin, A. A.

...Le système combinatif de lichens basé sur les faits de leurs relations phylogéniques. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 133-164. 1929.

Russian with French summary.

Kotov, M.

...Botanical and geographical notice of the woods in the environs of Urasovo village, Valouiky district, Voronezh govern. Zhurn. Russek. Bot. Obshch. (Bull. Soc. Bot. Russie). 14: 181-186. 1929. no.2.

Russian with brief English summary.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Kotov, M.

...Botanical excursion in Koupiansk district Kharkov govern. and in Artemovsk district, Donetz govern. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14:175-179. 1929. no.2.

Russian with brief English summary.

Magitt, M. & Magitt, E.

... Studien über die anatomie desbaumwollenstrauchs II. Das palissadenparenchym im blatt. Zhurn. Russek. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 191-198. illus. 1929. no.2.

Russian with German summary.

Nazarov, M. I.

... Végétation de la dépression sablonneuese Viazniki-Balachna dans les limites du gouv. de Vladimir. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 165-174. 1929. no.2.

Russian with French summary.

Utkin, L. A.

Convallaria transcaucasica Utkin n.sp. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 187-190. illus. 1929. no.2.

Russian with Latin diagnosis.

Der Züchter. (Berlin)

Crebert, H.

Beiträge zur kreuzungstechnik der leguminosen. Der Züchter 2: 85-87. Mr.1930. no.3.

Emme, H.

Ueber chromosomen von hafer und haferbastarden. Der Zuchter. 2: 65-68. illus. Mr.1930. no.3.

Ernst-Schwarzenbach, M.

Genetik und zuchtung der tomate. Der Züchter. 2: 80-85. illus. Mr. 1930. no.3.

Kuckuck, H.

Versuch einer vorläufigen chromosomentopographie bei gerste. Der Züchter. 2: 68-72. illus. Mr. 1930. no.3.

Der Züchter. (cont.)

Schick, R.

Die backfähigkeit der weizen und ihre verbesserung durch züchtung. Der Zuchter. 2: 72-80. illus. Mr.1930. no.3.

Exper. Stat. Publ.

Brown, B. A.

The causes of degeneration of Irish potatoes. in Connecticut. Connecticut (Storrs) Agr. Exp. Stat. Bull. 160: 328-380. illus. o.1929 (Rec'd Ap. 1930)

Weber, George F.

Angular leaf spot and fruit rot of cucumbers caused by Bacterium lachrymans E.F.S. & Bry. Florida Agr. Exp. Stat. Bull. 207. 32 p. illus. O.1929 (Rec'd Ap.1930)

House, M.C., Nelson, P.M. & Haber, E.S.

The vitamin B content of vegetables. Iowa Agr. Exp. Stat. Res. Bull. 120: 335-344. F.1930. (Rec'd Ap.)

Nightingale, G.T. Addoms, R.M. & Blake, M. A.

Development and ripening of peaches as correlated with physical characteristics, chemical composition, and histological structure of the fruit flesh: III. Macrochemistry. New Jersey Agr. Exp. Stat. Bull. 494. 16 p. illus. F.1930.

Parts I-II not yet publ.

Myers, C. E. & Lewis, M. T.

The effect of selection in the tomato. Pennsylvania Agr. Exp. Stat. Bull. 248. 20 p. illus. Ja. 1930 (Rec'd Ap.)

Essary, S. H.

Some common tomato diseases and their control. Tennessee Agr. Exp. Stat. Circ. 31. 4 p. Mr.1930.

Reynolds, E. B.

The effect of sulphur on yield of certain crops. Texas Agr. Exp. Stat. Bull. 408. 23 p. illus. (map) F.1930.

State Publications,

Rex, E. C.
White pine blister rust in New Jersey.
Circ. Dept. Agr. New Jersey no.170. 21 p. illus., maps. Ja.1930.

New Books

Baker, E. G.
The Leguminosae of tropical Africa, pt.2. sub-order Papilionaceae, Mundulea to end of Papilionaceae. Ostend, Jl.1929.

Benson, A.E.
History of the Massachusetts horticultural society. Boston, 1929.

Bonnier, G. & Douin, R.
Flore complète illustrée en couleurs de France... Suisse et Belgique. v.11, fasc.102. pl. 607-612. [1930]

Crevost, C. & Petelot, A.
Catalogue des produits de l'Indochine. v.5. Produits médicinaux, fasc. 1. Plantes médicinaux (renonculacées à composées) [Hanoi], 1928.

Du Rietz, G.E.
Vegetationsforschung auf soziationsanalytischer grundlage. In Abderhalden, E. Handbuch der biologieschen arbeitsmethoden. Abt.XI, teil 5, h. 2 (lfg. 320), p. 293-470. illus., tab. 1930.

Falke, F.
Die wichtigsten gräser auf wiesen und weiden. Berlin, P. Parey, 1929(Parey's Taschenatlanten 8)

Frear, M.D.
Our familiar island trees. Boston, R. G. Badger, 1929.
Hawaii.

Fruwirth, C.
Allgemeine züchtungslehre der landwirtschaftlichen kulturpflanzen. 7. gänzlich newbearb. aufl. Berlin, P. Parey, 1929 (Handbuch der landwirtschaftlichen pflanzenzüchtung bd.I)

New Books (cont.)

Godwin, H.
Plant biology. Cambridge, University press, 1930.

Goebel, K.
Organographie der pflanzen. 3 aufl., 2. teil. Bryophyten-pteridophyten. Jena, G.Fischer, 1930.

International seed testing association.
Bibliography of "germination of seeds". Wageningen, 1928.
Mimeographed.

Küster, E.
Pathologie der protoplasmas. Berlin, Borntraeger, 1929 (Protoplasma-monographien bd. III. Pathologie der pflanzenzelle Teil 1.)

McDonald, J.H.
Coffee growing; with special reference to East Africa. London,1930.

Maclean, H. & I.S.
Lecithin and allied substances, the lipins. New ed. London, Longmans, 1927.

Mansfield, W.
Microscopic pharmacognosy. N.Y., Wiley, 1929.

Nicolas, J.H.
The rose manual. Garden City, Doubleday, Doran & company, 1930.

Pope, W.T.
Manual of wayside plants of Hawaii. Honolulu, Advertiser publishing co., 1929.

Small, J.K.
From Eden to Sahara, Florida's tragedy. Lancaster, Pa., Science press, 1929.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

RARY
RECEIVED
★ MAY 12 1930 ★
U. S. Department of Agriculture

Vol 12, no. 9. April 14-26, 1930.

Acta Bot. Bohemica. (Praze)

Brožek, A.
Preliminary report on the genetic constitution of flower colours in the garden population of the Mimulus cardinalis hort. Acta Bot. Bohemica. 8: 80-85. 1929.

Cyrus, B.
Etude monographie du genre Cymatopleura W. Smith. Acta Bot. Bohemica. 8: 129-146. 1929.

Domin, K.
Additamenta ad cognitionem florae Rossiae subcarpaticae. Acta Bot. Bohemica. 8: 26-43. 1929.

Domin, K.
Cerosora, a new genus of ferns. Acta Bot. Bohemica. 8: 3-4. 1 pl. 1929.
C. chrysosorum.

Domin, K.
Schedae ad floram Cechoslovenicam exsiccatam, centuria I. Acta Bot. Bohemica. 8: 44-79. 1929.

Hilitzer, A.
Addenda ad lichenographiam Bohemiae. III. Acta Bot. Bohemica. 8: 104-118. 1929.

Klika, J.
Contributions à la connaissance de la flore mycologique de la Bulgarie. II. Acta Bot. Bohemica. 8: 119-128. 1929.

Němejc, F.
The floras of the Czechoslovakian travertines. A report on the investigations during the years 1925 and 1926. Acta Bot. Bohemica. 8: 86-103. 1929.

Acta Bot. Bohemica. (cont.)

Novák, F.

Ligusticum olympicum, generis ligustici species nova balcanica. Acta Bot. Bohemica. 8: 5-6. 1 pl. 1929.

Suza, J.

Lichenes bulgariae, I. Acta Bot. Bohemica. 8: 7-25. 1929.

Agric. Colon. (Firenze)

Brizioli, F.

Piante da rimboschimento, copertura dei terreni e sovescio per la regione delle Pendici orientali dell'Eritrea. Agric. Colon. 24: 114-126. 4 pl. on 2. Mr. 1930. no.3.

Maugini, A.

Contributi alla conoscenza di alcuni prodotti vegetali spontanei della Cirenaica. (cont.) Agric. Colon. 24: 127-131. Mr. 1930. no.3.

Pistacia lentiscus.

Agr. Journ. India. (Calcutta)

Dutt, N. L. & Gopala Ayyar, K.V.

A preliminary note on the chemical composition and the enzymes of sugarcane pollen. Agr. Journ. India. 25: 31-33. Ja.1930. no.1.

Prasad, H.H.

A bacterial stalk rot of maize. Agr. Journ. India. 25: 72. 2 col.pl. Ja. 1930. no.1.

Phytomonas dissolvens

Ram Ayyar, C. S.

A comparative study of the germicidal efficiency of E. C. and formalin on bacterial spores. Agr. Journ. India. 25: 53-57. Ja. 1930. no.1.

Ayyar, V. R. & Jagannatha Rao, C.

Variation in lint length in cotton. Agr. Journ. India. 25: 42-52. illus. Ja. 1930. no.1.

Trought, T.

Note on pollen grains of cotton. Agr. Journ. India. 25: 26-30. illus. Ja. 1930. no.1.

Amer. Fruit Grow. Mag. (Chicago)

Murneek, A. E.

The pollination of tree fruits. Amer. Fruit Grow. Mag. 50(4): 7, 25. illus. Ap. 1930.

Rosen, H. R.

Is the pear tree responsible for blight of apples? Amer. Fruit Grow. Mag. 50(4): 5, 25. illus. Ap.1930.

Amer. Midl. Nat. (Notre Dame, Ind.)

Bush, B. F.

Notes on Aesculus species. Amer. Midl. Nat. 12: 19-26. Ja.1, 1930. no.1.

Anales Soc. Cient. Agr. (Buenos Aires)

Molfino, J. F.

Novedades micológicas argentinas. III. Anales Soc. Cient. Arg. 109: 127-131. F.1930. no.2.

Ann. Rep. Dept. Agr. Mauritius.

Shepherd, E. F. S.

[Report of the] botanical division, 1928. In its Ann. Rep. Dept. Agr. Mauritius. 1928: 10-13. 1930.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin)

Gilg, E. & Schürhoff, P. N.

Die ephedrinhaltigen stammpflanzen der "ma-huang"-droge. Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 233-248. illus., 1 fold.pl. Ap.1930. no.4.

Ephedra sinica, E. shennungiana.

Arch. Protistenk. (Jena)

Deflandre, G.

Strombomonas, nouveau genre d'Euglénacées (Trachelomonas Ehrb. pro parte). Arch. Protistenk. 69: 551-614. illus. Mr.12, 1930. no.3.

Korshikov, A. A.

Glaucosphaera vacuolata, a new member of the Glaucophyceae. Arch. Protistenk. 70: 217-222. illus. 1930. no.1.

Arch. Protistenk. (cont.)

Pascher, A.

Ein gruner Sphagnum-epiphyt und seine beziehung zu freilebenden verwandten (Desmatrachtum, Calyptrobactron, Bernardinella). Arch. Protistenk. 69: 637-658. illus., pl.26. Mr.1930. no.3.

Der "Beitrage zur morphologie und biologie epiphytischer algen". I. Teil.

New species in Desmatractum, Octogoniella (n. gen.) O. sphagnicola.

Pringsheim, E. G.

Algenreinkulturen. Eine liste der stämme, welche auf wunsch abgegeben werden. (cont.) Arch. Protistenk. 69: 659-665. Mr. 1930. no.3.

Schussnig, B.

Beiträge zur entwicklungsgeschichte der protophyten. V. Das prokarpium der ceramiaceen. Arch. Protistenk. 69: 533-550. illus. Mr.12, 1930. no.3.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Frey-Wijssling, A.

Onderzoek naar het verband tusschen den diameter der latexvaten en de rubberproductie van Hevea brasiliensis. (Investigation into the relation between the diameter of the latex tubes and the rubber production of Hevea brasiliensis). Arch. Rubbercult. Nederl.-Ind. 14: 102-166. illus. Mr. 1930. no.3.

English translation: p.135-166.

Ber. Deut. Bot. Ges. (Berlin)

Gothan, W.

Die pflanzengeographischen verhältnisse an ende des paläozoikums. Ber. Deut. Bot. Ges. 48: 63-65. Mr.27, 1930. no.2.

Hostermann, G.

Versuche zur vegetativen vermehrung von gehölzen nach dem Dahlemer drahtungsvorfahren, Ber. Deut. Bot. Ges. 48: 66-70. illus. Mr.27, 1930. no.2.

Ber. Deut.Bot. Ges. (cont.)

Kotte, W.

Beobachtungen über den parasitismus von Rhizoctonia violacea Tul. auf der kartoffel. Ber. Deut. Bot. Ges. 48: 43-51. illus. Mr.27, 1930. no.2.

Meyer, F. J.

Die leitbündel der radices filipendulae (wurzelanschwellungen) von Maranta kerchoveana Morr. Ber. Deut. Bot. Ges. 48: 51-57. illus. Mr.27, 1930. no.2.

Tiegs, E.

Ueber den schwefelgehalt der blätter. Ber. Deut. Bot. Ges. 48: 58-62. Mr.27, 1930. no.2.

Better Fruit. (Portland, Ore.)

Locklin, H. D.

Winter injuries to berries. Better Fruit. 24 (10): 8, 24. Ap. 1930. no.10.

Biochem. Journ. (London)

Barrenscheen, H.K. & Pany, J.

Ueber die rolle der phosphorylierung im intermediaren kohlenhydratstoffwechsel der pflanze. II. Biochem. Journ. 219: 364-380. Mr.25, 1930. no.4/6.

Lemberg, R.

Die lichtextinktionen algen-chromoproteide (Bemerkungen zu der arbeit von The Svedberg und T. Katsurai). Biochem. Journ. 219: 255-257. Mr.25, 1930. no.4/6.

Biochem. Zeitschr. (Berlin.)

Schwaibold, J.

Ueber den jodgehalt frischer, dachreifer und fermentierter tabakblätter. Biochem. Zeitschr. 218: 318-320. F.28. 1930. no.4/6.

Stoklasa, J., Hruban, J. & Pěnkava, J.

Die physiologischen wirkungen der α-, β- und γ strahlen des radiums auf die dynamik und energetik der kohlensäureassimilation. Biochem. Zeitschr. 218: 361-396. illus. F.28,1930. no.4/6.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc.

Robinson, M. E.

Cyanogenesis in plants. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 5: 126-141. Ap. 1930. no.2.

Smith, J. H.

Virus diseases in plants. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 5: 159-170. Ap. 1930. no.2.

I. Transolcation within the plant. II. The amoeboid intracellular inclusions.

Stiles, W.

Viscosity of protoplasm as determining the rate of biological reactions. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 5: 171-176. Ap.1930. no.2.

Blumen. u. Pflanzenb. (Berlin)

Görbing, J.

Ein einfaches verfahren zur beurteilung des richtigen reaktionsgrades oder kalkzustandes. Blumen u. Pflanzenb. 45: 54-57. illus. Ap.2, 1930. no.4.

Höstermann, G.

Krankheitserscheinungen an Ficus elastica. Blumen u. Pflanzenb. 45: 64-65. Ap.2, 1930. no.4.

Bot. Gaz. (Chicago)

Bartoo, D. R.

Origin of tissues of Schizaea pusilla. Bot. Gaz. 89: 137-153. illus. Ap.1930. no.2.

Busse, W. F.

Effect of low temperatures on germination of impermeable seeds. Bot. Gaz. 89: 169-179. Ap.1930. no.2.

Haas, A. R. C.

Oxidation-reduction indicators as a means of determining overheating in walnuts during dehydration. Bot. Gaz. 89: 200-204. Ap. 1930. no.2.

Knudson, L.

Flower production by orchid grown non-symbiotically. Bot. Gaz. 89: 192-199. illus. Ap.1930. no.2.

Bot. Gaz. (cont.)

Long, B.
Spikelets of Johnson grass and Sudan grass. Bot. Gaz. 89: 154-168. illus. Ap.1930. no.2.

Ramsey, G. B. & Bailey, A. A.
Effects of ultra-violet radiation upon sporulation in Macrosporium and Fusarium. Bot. Gaz. 89: 113-136. illus., pl.iv. Ap. 1930. no.2.

Wesley, O. C.
Spermatogenesis in Coleochaete scutata. Bot. Gaz. 89: 180-191. pl.v-vi. Ap.1930. no.2.

Bot. Arch. (Leipzig)

Bender, H.
Einfluss von saatmenge und kornverteilung auf entwicklung und ertrag des getreides. Bot. Arch. 28: 361-450. 34 tab. F.1930. no.3/4.
English abstract.

Kerkiehn, G.
Ergänzende beiträge zur beurteilung der wasserdurchströmung einheimischer Orchidaceae. Bot. Arch. 28: 489-548. pl.i-v. F.1930. no.3/4.
English abstract.

Voss, H.
Untersuchungen über den einfluss von saatmenge und saatzeit auf die morphologische beschaffenheit des roggens und seine physikalischen und chemischen korneigenschaften. Bot. Arch. 28: 289-360. 66 tab. F. 1930. no.3/4.

Bull. Agence Gén. Colon. France. (Paris)

Heim de Balsac, F., Dagand, G.S., Heim de Balsac, H.
& Parveaud, A.
Le palmier "cay la buong" (Corypha lecomtei) d'Indochine son fruit et sa graine sont-ils exploitable? Bull. Agence Gen. Colon. France. 23: 173-187. iv pl. Mr.1930. no.254.

Bull. Amer. Peony Soc.

Brown, N. A.
Further notes on the treatment of peony root galls. Bull. Amer. Peony Soc. 24(41): 34-35. Mr.1930. no.41.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles)

Homès, M.V.L.

Observations vitales sur la structure et la division cellulaires de "Halopteris filicina" (Grat) Kütz. Bull. Cl. Sci. Acad. Roy. Belg. V, 15: 932-942. illus. 1929. no.11.

Bull. Imp. Inst. Gt. Brit. (London)

Castor seed: its production and utilisation. Bull. Imp. Inst. Gt. Brit. 28: 30-46. Ap.1930. no.1.

Hydnocarpus anthelmintica seed from Ceylon. Bull. Imp. Inst. Gt. Brit. 28: 6-8. Ap.1930. no.1.

Recent investigations on essential oils. Bull. Imp. Inst. Gt. Brit. 28: 8-27. Ap.1930. no.1.

The tannin content of Acacia arabica pods. Bull. Imp. Inst. Gt. Brit. 28: 1-6. Ap.1930. no.1.

Bull. Jard. Bot. Buitenzorg.

Smith, J. J.

Icones orchidacearum malayensium. I. Bull. Jard. Bot. Buitenzorg. Suppl., v.2, no.1/2. 50 pl. Ja. 1930.

Plates to his Neue orchideen des Malaiischen Archipels (later: Orchidaceae novae malayenses).

Bull. Misc. Inform. Kew. (London)

Cotton, A. D.

A visit to Kilimanjaro. Bull. Misc. Inform. Kew. 1930: 97-121. illus., pl.iv-v. 1930. no3.

Kew. Royal gardens - Jodrell laboratory.

The Jodrell laboratory. Bull. Misc. Inform. Kew. App. I. 1930. p.27-28. 1930.

Kew. Royal gardens.

Review of the work of the Royal botanic gardens, Kew, during 1929. Bull. Misc. Inform. Kew. App. I. 1930. 61 p. 1930.

Turrill, W. B.

On the flora of the Nearer East. V. Bull. Misc. Inform. Kew. 1930: 122-126. 1930. no.3.

Bull. Mus. Hist. Nat. Paris.

Anthony, R.

Un essai de culture du chou de Kerguelen. (Pringlea antiscorbutica R.Br.) Bull. Mus. Hist. Nat. Paris. II, 1: 449-451. illus. N. 1929. (Rec'd Ap.1930) no.6.

Bois, D.

Floraisons observées dans les serres du Muséum pendant l'annee 1929. Bull. Mus. Hist. Nat. Paris. II, 1: 444-446. N.1929. no.6.

Camus, A.

Sur le Corylus yunnanensis (Franchet) A. Camus. Bull. Mus. Hist. Nat. Paris. II, 1: 438-439. N. 1929 (Rec'd Ap.1930). no.6.

Danguy, P.

Un Aloe nouveau de Madagascar. Bull. Mus.Nat. Paris. II, 1: 433-434. N.1929. (Rec'd Ap.1930). no.6.

Aloe helenae, n.sp

Fröderström, H.

Etude des crassulacées de Chine septentrionale provenant des récoltes du père Licent. Bull. Mus. Hist. Nat. Paris. II, 1: 440-443. N.1929 (Rec'd 1930) no.6.

Sedum almae, S. ulricae, n.sp.

Guillaumin, A.

Plantes nouvelles ou critiques des serres du Museum. Bull. Mus. Hist.Nat. Paris. II, 1: 447-448. N.1929 (Rec'd Ap.1930) no.6.

Euphorbia denisiana, n.sp., Aerides falcatum var. houlletianum sub.var. regnieri, (A.falcatum var. regnieri).

Leandri, J.

Thyméléacées nouvelles de Madagascar (gnidiées). Bull. Mus. Hist. Nat. Paris. II, 1: 435-437. N. 1929 (Rec'd Ap.1930). no.6.

Lasiosiphon coriaceus, L. pubescens var. carinatus, L. madagascariensis var. parvifolius, Gnidia decaryana, n.sp. & var.

Bull. Mus. Hist. Nat. Paris. (cont.)

Lecomte, H.

Quelques ébénacées nouvelles de l'Indo-Chine. Bull. Mus. Hist. Nat. Paris. II, 1: 430-432. N.1929 (Rec'd Ap.1930). no.6.

Diospyros bejaudii, D. cambodiana, n.sp.

Bull. Peking Soc. Nat. Hist.

Hu, H. H.

The importance of plant ecology in China and a suggested procedure of study. Bull. Peking Soc. Nat. Hist. 4(3): 1-6. Mr. 1930.

Liu, J. C.

Important bibliography on the taxonomy of Chinese plants. Bull. Peking Soc. Nat. Hist. 4(3): 17-32. Mr. 1930.

Porterfield, W. M.

The morphology of the growing point of bamboo. Bull. Peking Soc. Nat. Hist. 4(3): 7-15. illus. Mr. 1930.

Bull. Soc. Dendrol. France. (Paris)

Dode, L. A.

Enguête sur les effets des froids de l'hiver 1928-1929. Bull. Soc. Dendrol. France. 73: 10-23. F.15, 1930.

Ducamp, R.

A propos des cèdres introduits par de Jussieu. Bull. Soc. Dendrol. France. 73: 5-8. F.15, 1930.

Cedar of Lebanon.

Bull. Trim. Off. Rég. Agr. Midi France.

Fondard, L. & German, E.

Contribution a la génétique des blés de Provence. Blés recoltes en 1928. Bull. Trim. Off. Rég. Agr. Midi France. 1930: 191-242. 4 pl. on 2. Ja.1930. no.33.

Calif. Citrogr. (Los Angeles)

Webber, H. J.

Influence of pollination on set of fruit in citrus. Calif. Citrogr. 15: 304, 322-323. My. 1930. no. 7.

Chem. Umschau. (Stuttgart)

Ivanow, S.L. & Elakow, J. S.

Zur erkenntnis der pflanzenöle der U.S.S.R. V. Die natur der fettöle der familie Capparidaceae im zusammenhang mit den klimatischen bedingungen ihres herkunftslandes. Chem. Umschau. 37:83-84. Mr.26, 1930. no.8.

Citrus Indust. (Tampa, Fla.)

Bach, W. J.

Frost damage to citrus, injury and treatment. Citrus Indust. 11(4): 7-8, 25. Ap. 1930.

Compt. Rend. Acad. Sci. Paris.

Belval, H.

Les transformations des glucides dans le bananier; formation de l'amidon dans les fruits. Compt. Rend. Acad. Sci. Paris. 190: 886-888. Ap.7, 1930. no.14.

Colin, H. & Guéguen, E.

Variations saisonnieres de la teneur en sucre chez les floridees. Compt. Rend. Acad. Sci. Paris. 190: 884-886. Ap.7, 1930. no. 14.

Dangeard, P.

Sur la mobilité de certaines cellules du Porphyridium cruentum Naegeli. Compt. Rend. Acad. Sci. Paris. 190: 819-821. Mr.31, 1930. no.13.

Des Cilleuls, J.

Le phytoplancton de la Loire au cours des étés 1928 et 1929. Compt. Rend. Acad. Sci. Paris. 190: 817-819. Mr.31, 1930. no.13.

Eriksson, J.

Sur l'hibernation du Puccinia ribis DC à l'état végétatif dans les bourgeons d'hiver de la plante hospitalière. Compt. Rend. Acad. Sci. Paris. 190: 815-817. Mr.31, 1930. no.13.

Lubimenko, V. N. & Rauser-Cernooussova,

Sur les restes fossiles de la chlorophylle dans les sédiments limoneux marins. Compt. Rend. Acad. Sci. Paris. 190: 813-815. Mr.31, 1930. no.13.

Compt. Rend. Acad. Sci. Paris. (cont.)

Lutz, L.
Sur les ferments solubles sécrétés par les champignons hyménomycètes. L'hydrolyse des hémicelluloses. Compt. Rend. Acad. Sci. Paris. 190: 892-895. Ap. 7, 1930. no. 14.

Py, G.
Sur l'evolution des constituants cytoplasmiques pendant la formation des grains de pollen et de l'assise nourricière chez Senecio vulgaris. Compt. Rend. Acad. Sci. Paris. 190: 888-890. Ap.7, 1930. no. 14.

Truffaut, G. & Vladykov, V.
La microflore de la rhizosphère du blé. Compt. Rend. Acad. Sci. Paris. 190: 824-826. Mr.31, 1930. no.13.

Ecology. (Brooklyn, N.Y.)

Bauer, H. L.
Vegetation of the Tehachapi Mountains, California. Ecology. 11: 263-280. illus. Ap.1930. no.2.

Beardsley, G.F. & Cannon, W.A.
Note on the effects of a mud-flow at Mt. Shasta on the vegetation. Ecology. 11: 326-336. illus. Ap.1930. no.2.

Bird, R. D.
Biotic communities of the Aspen parkland of Central Canada. Ecology. 11: 356-442. illus., pl.xii-xviii. Ap.1930. no.2.

Nichols, G. E.
Obituary notice - John William Harshberger 1869-1929. Ecology. 11: 443-444. Ap.1930. no.2.

Stark, O. K.
An improved evaporimeter. Ecology. 11: 288-292. illus. Ap.1930. no.2.

Facts about sugar. (New York)

Hach, O.
Cane varieties, mosaic disease and fertilizers in the West Indies. Facts about sugar. 25: 377-379. Ap.19, 1930. no.16.

Florida Nat. (Daytona Beach)

Wright, B. H.
Royal palm in Volusia county. Florida Nat. n.s.,3: 77-78. Ap.1930. no.3.

Flor. Exch. (N.Y.)

Weiss, F.
A root rot of the white Calla new to the United States. Flor. Exch. 73(16): 11, 13. illus. Ap.19, 1930. no.16.
Probably Phytophthora richardiae.

Gard. Chron. (London)

Anderson, A. W.
Some New Zealand coastal plants. Gard. Chron. III, 87: 249-250. illus. Mr.29, 1930. no.2257.

Anderson, A.W.
Three fine olearias. Gard. Chron. III, 87: 266-267. Ap.5, 1930. no.2258.

Auton, W.
The Botanic garden of Dominica. Gard. Chron. III, 87: 251-253. Mr.29, 1930. no.2257.

Chemicals and the life of cut flowers. Gard. Chron. III, 87: 239. Mr.29, 1930. no.2257.

Darnell, A. W.
The genus Primula. (cont.). Gard. Chron. III, 87: 246. Mr.29, 1930. no.2257.

Falconer, A.
Artificial light rays in glass-houses. Gard. Chron. III, 87: 253. illus. Mr.29, 1930. no.2257.

Greaves, H.
The evolution of modern gladioli. Gard. Chron. III, 87: 272. Ap.5, 1930. no.2258.

Grove, A.
Professor Augustine Henry. Gard. Chron. III, 87: 248-249. Mr.29, 1930. no.2257.

Hooper, C. H.
Fruit pollenation trials. Gard. Chron. III, 87: 273-274. Ap.5,1930. no.2258.

Gard. Chron. (cont.)

Martin H. Foquett Sutton. Gard. Chron. III, 87: 277. Ap. 5, 1930. no.2258.

Notice of death.

Redgrove, H. S.

The sweet violet in folklore and medicine. Gard. Chron. III, 87: 270-271. Ap.5, 1930. no.2258.

S. Joseph Mottet. Gard. Chron. III, 87:277. port. Ap.5, 1930. no.2258.

Notice of death.

Salmon, E. S. & Ware, W. M.

Root rot of asparagus. Gard. Chron. III, 87: 275. illus. Ap.5, 1930. no.2258.

Zopfia rhizophila.

Gard. Bull. Straits Settlem. (Singapore)

Hooper, D.

On Chinese medicine: drugs of Chinese pharmacies in Malaya. Gard. Bull. Straits Settlem. 6: 1-163. D.1929. no.1/5.

Gartenbauwiss. (Berlin)

Buchinger, A.

Die selektion nach der saugkraft im dienste der praktischen gartnerei. Gartenbauwiss. 3: 123-126. Mr.22, 1930. no.2.

Reinau, E. H.

Wieweit können grüne pflanzen atmosphärische und bodenbürtige kohlensäure ausnützen? Gartenbauwiss. 3: 101-122. illus. Mr.22, 1930. no.2.

Rudloff, C. F.

Entwicklungsphysiologische studien in der gattung Fragaria I- Gartenbauwiss. 3: 79-100. illus. Mr.22, 1930. no.2.

Gartenw. (Berlin)

Bonstedt, C.

Lilium-hybriden. Gartenw. 34: 190-191. illus. Ap.4, 1930. no.14.

L. sulphurgale (L. myriophyllum var superbum x L. regale)

Gartenw. (cont.)

Lange, R.

Krankhafte erscheimumg bei semperviven. Gartenw. 34: 175. Mr.28, 1930. no.13.

Physiological?

Pape, H.

Die myrtenschutte. Gartenw. 34: 174-175. illus. Mr.28, 1930. no.13.

Cercospora myrti.

Hadar (Palestine Citrogr.) (Jaffa)

Katzprowsky, S.

The puffiness in our oranges during this season 1929-30. Hadar (Palestine Citrogr.) 3: 58-59. Mr. 1930. no.3.

Hereditas. (Lund)

Clausen, J.

Inheritance of variegation and of black flower colour in Viola tricolor L. Hereditas. 13: 342-356. illus. Ap.2, 1930. no.2/3.

Ferdinandsen, C. & Winge, O.

A heritable blotch leaf in oats. Hereditas. 13: 164-176. illus., pl.ii-iii. Ap.2, 1930. no.2/3.

Müntzing, A.

Outlines to a genetic monograph of the genus Galeopsis with special reference to the nature and inheritance of partial sterility. Hereditas. 13: 185-341. illus., pl.iv-v. Ap.2, 1930. no.2/3.

Turesson, G.

Studien über Festuca ovina L. II. Chromosomenzahl und viviparie. Hereditas. 13: 177-187. illus. Ap.2, 1930. no.2/3.

Illus. Landw. Zeit. (Berlin)

Fruwirth, C.

Der kampf mit den ackerunkrautern. IV. Die bekämpfung der wurzelunkräuter. Illus. Landw. Zeit. 50:173-174. Mr. 28, 1930. no.13.

Industr. & Engin. Chem. (Easton, Pa.)

Waksman, S.A. & Stevens, K.R.

A system of proximate chemical analysis of plant materials. Industr. & Engin. Chem. (Anal. ed.) 2: 167-173. Ap.15, 1930. no.2.

Iowa State Coll. Journ. Sci. (Ames, Ia.)

Brown, P. E.

Phosphorus assimilation by certain soil molds. Iowa State Coll. Journ. Sci. 4: 325-330. Ap.1930. no.3.

Muncie, J. H.

Crowngall of Rumex crispus L. and Rheum rhaponticum L. Iowa State Coll. Journ. Sci. 4: 315-321. incl. ii pl. Ap. 1930. no.3.

Ital. Agr. (Milan)

Bonvicini, M.

Spiga ramificata in un grano tenero (Triticum vulgare, Host). Ital. Agr. 67: 146-150. illus. Mr. 1930. no.3.

Crescini, F.

Osservazioni e ricerche su una crucifera infestante. Ital. Agr. 67: 151-155. Mr.1930. no.3.

Calepina corvini.

Messina, M.

Le varietà di olivo coltivate nell'agro di Alanno. Studio biometrico sull'olivo "posciola". Ital. Agr. 67: 156-162. diagrs. Mr. 1930. no.3.

Izv. Saratovsk-Obshch. Estestvoispyt. (Ber. Saratow. Naturforschergesell).

Chernov, V.

... Observations on Allium tulipaefolium Led.) Izv. Saratovsk.-Obshch. Estestvoispyt. (Ber. Saratow Naturforschergesell.) 3: 43-46. 1929.

Russian.

Janishevsky, D.

... Silene baschkirorum nova sp. Izv. Saratovsk.-Obshch. Estestvoisypt. (Ber. Saratow. Naturforschergesell.) 3: 28-38. 2 pl. 1929.

Russian with Latin diagnosis.

Izv. Saratovsk-Obshch. Estestvoisypt. (Ber. Saratow. Naturforschergesell.) (cont.)

Levoshin, V.

... Contributions to the determination of the quantitative symptoms of the apple-tree. Izv. Saratovsk.-Obshch. Estestvoispyt. (Ber. Saratow. Naturforschergesell.) 3: 47-72. 1929.

Russian with English summary.

Naugol'nykh, V.

... Zur frage über die transpiration einiger holzarten (Vorläufiger bericht). Izv. Saratovsk-Obshch. Estestvoispyt. (Ber. Saratow Naturforschergesell.) 3: 1-17. fold. tab. 1929.

Russian with German summary.

Journ. Agr. Res. (Washington, D. C.)

Allen, R. F.

A cytological study of heterothallism in Puccinia graminis. Journ. Agr. Res. 40: 585-614. pl.1-17. Ap.1, 1930 (Rec'd Ap.12). no.7.

Couch, J. F.

The toxic constituent of rayless goldenrod. Journ. Agr. Res. 40: 649-658. Ap.1, 1930. (Rec'd Ap.12). no.7.

Garner, W. W., McMurtrey, J. E., Jr., Bowling, J. D. & Moses, E. G.

Role of chlorine in nutrition and growth of the tobacco plant and its effect on the quality of the cured leaf. Journ. Agr. Res. 40: 627-648. illus. Ap.1, 1930 (Rec'd Ap.12) no.7.

Swingle, C. F.

The anatomy of Euphorbia intisy. Journ. Agr. Res. 40: 615-625. illus. Ap.1, 1930(Rec'd Ap.12) no.7.

For continuation see at end of List.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Powers, W. L.

The role of sulfur in plant nutrition. Journ. Amer. Soc. Agron. 22: 371-373. Ap.1930. no.4.

Stroman, G.N.

Biometrical relationships of certain characters in Upland cotton. Journ. Amer. Soc. Agron. 22: 327-340. Ap. 1930. no.4.

Journ. Amer. Soc. Agron. (cont.)

Veatch, C.
Vigor in soybeans as affected by hybridity. Journ. Amer. Soc. Agron. 22: 289-310. Ap. 1930. no.4.

Journ. Biol. Chem. (Baltimore)

Manske, R. H. F.
The occurrence of D-mannose in seaweed and the separation of L-fucose and D-mannose. Journ. Biol. Chem. 86: 571-573. Ap.1930. no.2.
Fucus vesiculosus.

Journ. Bot. Soc. So. Afr. (Cape Town)

Adamson, R. S.
The vegetation of the south west region. Journ. Bot. Soc. So. Afr. 15: 7-12. 1929.

Barker, W. F.
Haworthia. Journ. Bot. Soc. Afr. 15: 22-24. pl. iii. 1929.

Compton, R. H.
The vegetation of the Karoo. Journ. Bot. Soc. So. Afr. 15: 13-21. 1929.

Mathews, J. W.
Cultivation of the Haworthias. Journ. Bot. Soc. So. Afr. 15: 24-25. 1929.

Journ. Cactus & Succ. Soc. Amer.

Frick, G. A.
Euphorbia dactylanthes. Journ. Cactus & Succ. Soc. Amer. 1: 186-188. illus. Ap.1930. no.10.

Houghton, A. D.
The gensu Opuntia, Tournefort. Journ. Cactus & Succ. Soc. Amer. 1: 123-124, 139. illus. Ja. 1930. no.7.

Johansen, D. A.
The chromosomes of Aloe macracantha. Journ. Cactus & Succ. Soc. Amer. 1(6): 8-9. illus. D.1929. no.6.

Johansen, D. A.
The extent of research other than taxonomic upon the Cactaceae. Journ. Cactus & Succ. Soc. Amer. 1: 15-16. N.1929. no.5.

Journ. Cactus & Succ. Soc. Amer. (cont.)

Kewen, P.

Growing cacti. Journ. Cactus & Succ. Soc. Amer. 1:167-169. Mr.1930. no.9.

Moeller, A. F.

Astrophytum myriostigma. Journ. Cactus & Succ. Soc. Amer. 1: 156-157. illus. F.1930. no.8.

Tentative key to the genus.

Walther, E.

Crassula. Journ. Cactus & Succ. Soc. Amer. 1: 131-135. illus. Ja.1930. no.7.

Walther, E.

A new species of Graptopetalum. Journ. Cactus & Succ. Soc. Amer. 1: 183-186. illus. Ap.1930. no.10.

G. orpetii n.sp.

Key to the species.

Werdermann, E.

A new Mamillaria from Mexico. Journ. Cactus & Succ. Soc. Amer. 1: 127. illus. Ja.1930. no.7.

M. hahniana.

West, J.

"Windows" and "eyes". Journ. Cactus & Succ. Soc. Amer. 1: 163-166. illus. Mr.1930. no.9.

Ziegler, E. R.

Propagation of cacti from seed. Journ. Cactus & Succ. Soc. Amer. 1: 194-196. Ap.1930. no.10.

Journ. Chem. Soc. London.

Smith, S.

Digoxin, a new Digitalis glucoside. Journ. Chem. Soc. London. 1930: 508-510. Mr. 1930.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan)

Kato, S.

On the affinity of the cultivated varieties of rice plants, Oryza sativa L. Journ. Dept. Agr. Kyushu Imp. Univ. 2: 241-276. F.25, 1930. no.9.

In collaboration with: Hirosi Kosaka, Shiroku Hara, Yoshio Maruyama and Yoshisuke Takiguchi.

Journ. Indian Inst. Sci. (Madras)

Patwardhan, V. N.

Studies on dextrins I-II. Journ. Indian Inst. Sci. 13A: 31-37, 38-41. 1930. no.4.

N. Narayana joint author II.

I. Action of amylase from cholam (Sorghum vulgare) on potato starch. II. Amylase from ragi (Eleusine coracana)

Journ. N.Y. Bot. Gard.

Smith, A. C.

A collecting trip across Peru. Journ. N.Y. Bot. Gard. 31: 81-93. illus. Ap.1930. no.364.

Journ. New Zeal. Inst. Hort.

McPherson, J.A.

Notes on the genus Rhododendron. Journ. New Zeal. Inst. Hort. 1: 94-102. Mr.1930. no.4.

Sperrin-Johnson, J. C.

Two hundred years of botanical progress Journ. New Zeal. Inst. Hort. 1: 85-93. illus. Mr. 1930. no.4.

Journ. Soc. Trop. Agr. Japan. (Taiwan)

Goto, K.

On the black-spot disease of Dioscorea alata. Journ. Soc. Trop. Agr. Japan. 1: 301-313. illus. D.1929. no.3.

Japanese with English résumé.

Gloeosporium pestis.

Matsumoto, T.

Antigenic properties of tobacco mosaic juice. Journ. Soc. Trop. Agr. Japan. 1: 291-299. illus. D. 1929. no.3.

Takenouchi, Y.

Physiologisch-anatomische untersuchungen über die pfropfversuche von tee-und einige andere pflanzen. Journ. Soc. Trop. Agr. Japan. 1: 253-273. illus., 1 pl. D.1929. no.3.

Japanese with German résumé.

Tanaka, Y.

Experiments with the strains of the Japanese chestnut. Journ. Soc. Trop. Agr. Japan. 1: 314-379. 14 pl. on 7. D.1929. no.3.

Japanese with English résumé.

Reprinted as Contr. Hort. Inst. Taihoku Univ. no.4.

Just. Liebigs Ann. Chem. (Berlin)

Kogl, F. & Erxleben, H.

Untersuchungen über pilzfarbstoffe VIII. Ueber den roten farbstoff des fliegenpilzes. Just. Liebigs Ann. Chem. 479: 11-26. illus. Mr.31, 1930. no.1/2.

Landw. Jahrb. Schweiz. (Bern)

Schellenberg, A.

Die frühjahrs- und winterforstschäden in den zürcherischen rebbergen der Jahre 1926, 1927, 1928 und 1929. Landw. Jahrb. Schweiz. 24: 81-124. illus. 1930. no.1.

Lesnická Práce (L'Oeuvre For.) (Pisek, Moravia)

Hilitzer, A.

Stereum rugosum Pers., přehlíženy parasit buku. (Stereum rugosum, parasite peu connu de l'hêtre). Lesnická Práce. 9: 8-13. illus. 1930. no.1/2.

French summary.

Pilát, A.

Dva méně známé druhy chorošu pusobící hnilobu lesnich stromu. (Zwei weniger bekannte Polyporus arten welche holzfäulnis der waldbaume verursachen). Lesnická Práce. 9: 1-8. illus. (col.) 1930. no.1/2.

German summary.

Leptoporus imberberis, Trametes serialis.

Mem. Coll. Agr. Kyoto Imp. Univ.

Matsuoka, T.

Studies on vitamin C. I-III. Mem. Coll. Agr. Kyoto Imp. Univ. 1930: 1-13, 15-21, 23-27. illus. 1930. no.9.

I. On the occurrence of vitamin C. in celery.

II.-III. The production of vitamin C. by germination.

Mem. Dept. Agr. India. Bot. Ser.

Sethi, R.L.

Root development in rice under different conditions of growth. Mem. Dept. Agr. India. Bot. Ser. 18: 57-80. illus., pl.i-iii. F.1930. no.2.

Mid-Pacific Mag.

Baldwin, W. D.

The avocado in Hawaii. Mid-Pacific Mag. 39: 417-422. illus. My.1930. no.5.

Möller's Deut. Gartn.-Zeit. (Erfurt)
Brandt, A.
Krankheitsfeste treibrosen. II. Die wintertreiberei. Möller's Deut. Gartn.-Zeit. 45: 113-114. Ap.1, 1930. no.10.

Monatsschr. Deut. Kakteen-Ges. (Berlin)
Bödeker, F.
Ariocarpus scapharostrus Böd. sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 60-61. illus. Mr./Ap.1930. no.3/4.

Bödeker, F.
Mamillaria pubispina Böd., sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 61-63. illus. Mr./Ap. 1930. no.3/4.

Castellanos, A.
Lobivia schreiteri Castellanos n.sp. Monatsschr. Deut. Kakteen-Ges. 2: 59-60. illus. Mr./Ap. 1930. no.3/4.

Dörfler, I.
Pilocereus strausii Heese und seine geschichte. Monatsschr. Deut. Kakteen-Ges. 2: 45-56. illus. Mr./Ap. 1930. no.3/4.

Schwantes, G.
Neue mesembriaceen VI. Monatsschr. Deut. Kakteen-Ges. 2: 64-69. illus. Mr./Ap.1930. no.3/4.
Ruschia meyerae, R. nobilis, R. nelii, R. robusta, R. amoena, n.sp.

Tischer, A.
Conophytum graessneri Tisch. spec.nov. Monatsschr. Deut. Kakteen-Ges. 2: 63. Mr./Ap. 1930. no.3/4.

Wegner, I.
Vom medizinischen wert der Aloë und des Cereus grandiflorus Mill. Monatsschr. Deut. Kakteen-Ges. 2: 69-71. Mr./Ap. 1930. no.3/4.

Natur. u. Mus. Ber. Senckenb. Naturf. Ges. (Frankfurt a.M.)
Koernicke, M., Iven, H. & Lindenbein, W.
Ueber die wirkung der röntgenstrahlen auf die pflanze. Natur. u. Mus. Ber. Senckenb. Naturf. Ges. 59: 583-594. illus. D.1929. no.12.

Natur. u. Mus. Ber. Senckenb. Naturf. Ges. (cont.)

Prinz, H.

Zur rationalisierung der volksernährung durch die sojabohne. Natur. u. Mus. Ber. Senckenb. Naturf. Ges. 59: 618-620. illus. D.1929. no.12.

Nature. (London)

Bennet-Clark, T.A.

A method of investigating gas exchanges of living tissues. Nature. 125: 493. illus. Mr.20,1930. no.3152.

Cayley, D.M.

Sex in fungi. Nature. 125: 527. Ap.5, 1930. no.3153.

Nat. Canad. (Quebec)

Beaulieu, G.

Le centenaire de Lamarck. Nat. Canad. 57: 80-83. port. Ap.1930. no.4.

Robitaille, A.

Végétaux ligneux et frutescents de la région de Québec. (cont.). Nat. Canad. 57: 73-79. Ap. 1930. no.4.

Naturwissensch. (Berlin)

Geitler, L.

Ueber die bedeutung der grösse füt die organisation der zelle. Naturwissensch. 18: 301-305. illus. Ap.4, 1930. no.14.

Sierp, H.

Zur physik der pflanzlichen transpiration. Naturwissensch. 18: 323-329. illus. Ap.11, 1930. no.15.

Nauchno-Agron. Zhrun. (Journ. Landw. Wiss. Moskva)

Domontovich, M.K. & Groshenkov. A.J.

... Versuche über die wirkung des lichtes auf die wurzelernährung der pflanzen. I- Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva) 6: 179-193. 1929.

Russian with Germany summary.

Figurovsky, I. V.

... Analysis of total temperature of air consumed by plants. Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva). 6: 3-17. 1929.

Russian with English summary.

Nauchno-Agron. Zhurn. (Journ.Landw. Wiss.Moskva) (cont.)

Kvasnikov, V.V.

... The hydrogen-ion concentration in the sap of summer wheat under different conditions of the vegetation. Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskwa) 6: 18-36. 1929.

Russian with English summary.

New Phytol. (London)

Barnes, B. & Duerden, H.

On the preparation of celluloid transfers from rocks containing fossil plants. New Phytol. 29: 74-76. Mr.29, 1930. no.1.

Caldwell, J.

Studies in translocation. II. The movement of food materials in plants. New Phytol. 29: 27-43. illus., pl. i. Mr.29, 1930. no.1.

I in press.

Gane, R.

A method for demonstrating the shape of meristematic cells in plants. New Phytol. 29: 77-79. Mr.29, 1930. no.1.

Poulton, E.M.

Further studies on the Heterokontae: some Heterokontae of New England, U.S.A. New Phytol. 29: 1-26. illus. Mr.1930. no.1.

Priestley, J.H.

Studies in the physiology cambial activity I. Contrasted types of cambial activity. New Phytol. 29: 56-73. illus. Mr.29, 1930. no.1.

Saunders, E. R.

Illustrations of carpel polymorphism. V. New Phytol. 29: 44-45. illus. Mr.29, 1930. no.1.

Obst. u. Gemüseb. (Berlin)

Gahlnbäck, J. & Wetzel, H.

Salatwuchs und bodenreaktion. Obst- u. Gemüseb. 76: 41-43. illus. Mr.19, 1930. no.3.

Gleisberg, W.

Die wichtigsten umpfropfkrankheiten. Flugbl. Reichsverb. Deut. Gartenb. no.15, p.1-7. illus. F. 1930 (With Obst- u. Gemüseb. v.76, no.3, Mr.19,1930)

Obst- u. Gemüseb. (cont.)

Schaarschmidt, W.

Ist die bekampfung von schorf und obstmade an aepfeln wirtschaftlich? Obst- u. Gemüseb. 76: 40-41. Mr.19, 1930. no.3.

Orchid Rev. (Richmond, England)

Bulhart, V.

Common and native names of orchids. Orchid Rev. 38: 112-114. Ap.1930. no.442.

Cooper, E.

Trichocentrums. Orchid Rev. 38: 110-112. Ap. 1930. no.442.

Pollination of Cryptostylis subulata. Orchid Rev. 38: 100-101. illus. Ap. 1930. no.442.

Pflanzenbau. (Berlin)

Nerling, O.

Ueber die quantitative bestimmung der korngrössen der kartoffelstärke, nebst untersuchungen über dei einfluss verscheidener faktoren auf die stärkekorngrösse der kartoffel. Pflanzenbau. 3: 268-320. illus. Mr.15, 1930. no.2.

Philipp. Agr. (Los Banos)

Mercado, T. & Serrano, J.A.

The effect of ammonium sulfate upon the growth, height, and tillering of young sugar-cane seedlings. Philipp. Agr. 18: 571-579. illus. Mr. 1930. no.10.

Planta, Arch. Wiss. Bot. (Berlin)

Heinricher, E.

Ueber Arceuthobium oxycedri (.D.C.) M. Bieb. auf Chamaecyparis sphaeroidea Spach., pendula hort. und einenhexenbesen, der durch den einfluss des arceuthobiums auf dieser cupressinee entstand. Planta Arch. Wiss. Bot. 10: 374-380. illus. Mr.13, 1930. no.2.

Kugler, H.

Blütenökologische untersuchungen mit hummeln. Der farbensinn der tiere - die optische bindung in der natur- das saftmalproblem. Planta Arch. Wiss. Bot. 10: 229-280. illus. Mr.13, 1930. no.2.

Planta Arch. Wiss. Bot. (cont.)

Löweneck, M.

Untersuchungen über wurzelatmung. Planta Arc. Wiss. Bot. 10: 185-228. Mr.13, 1930. no.2.

Metzner, P.

Ueber das optische verhalten der pflanzengewebe im langwelligen ultravioletten licht. Planta Arch. Wiss. Bot. 10: 281-313. illus., iv pl. Mr.13, 1930. no.2.

Rasumov, V. I.

Ueber die photoperiodische nachwirkung in zusammenhang mit der wirkung verschiedener aussaattermine auf die pflanzen. Planta Arch. Wiss. Bot. 10: 345-373. illus. Mr.13, 1930. no.2.

Schmidt, H.

Zur funktion der hydathoden von Saxifraga. Planta Arch. Wiss. Bot. 10: 314-344. illus. Mr.13, 1930. no.2.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Fürst, F.

Ueber die bekämpfung von efeublätterigem ehrenpreis (Veronica hederifolia L.) Prakt. Blatt. Pflanzenb. u. Pflanzensch. 30: 9-15. illus. Ap. 1930. no.1.

Tornow, E.

Zur prüfung von saatbeizmitteln. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 7-9. Ap.1930. no.1.

Zehentner, M.

Zur magnesiaversorgung der pflanze. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 1-6. Ap. 1930. no.1.

Proc. Amer. Cranberry Grow. Assoc.

Bergman, H. F.

Respiration of cranberry plants in relation to water injury. Proc. Amer. Cranberry Grow. Assoc. 60: 21-25. 1930.

Wilcos. R. B.

False blossom inoculation experiments at Toms River, New Jersey, 1928 and 1929. Proc. Amer. Cranberry Grow. Assoc. 60: 11-16. 1930.

Proc. Imp. Acad. Tokyo.

Wada, M.

On the occurrence of a new amino acid in watermelon, Citrullus vulgaris, Schrad. Proc. Imp. Acad. Tokyo, 6: 15-17. illus. Ja.1930. no.1.

Citrullin.

Proc. Roy. Soc. Ser. B. (London)

Keelbe, F., Nelson, M. G. & Snow, R.

The integration of plant behaviour. - II. The influence of the shoot on the growth of roots in seedlings. Proc. Roy. Soc. Ser.B. 106: 182-188. Ap.2, 1930. no.743.

Proc. Roy. Soc. Victoria. (Melbourne)

Cookson, I. C.

An account of a crown rot of English walnut trees in Victoria. Proc. Roy. Soc. Victoria. 42: 5-25. illus., pl.i. O.31, 1929. no.1.

Phytophthora parasitica.

Note by S.M. Wadham with title: The relation of the fungus to trees in Victoria. p.25-26.

Glynne, M. D.

A note on some experiments dealing with sulphur treatment of a soil and its effect on wheat yield. Proc. Roy. Soc. Victoria. 42: 30-35. O.31, 1929. no.1.

Ostenfeld, C. H.

A list of Australian sea-grasses. Proc. Roy. Soc. Victoria. 42: 2-4. O.31, 1929. no.1.

Publ. Agence Econ. Indochine. (Paris)

Cardot. J.

Industrie et commerce des essences et des parfums d'Indochine. Publ. Agence Econ. Indochine. no.21. 14 p. illus. 1929.

Rep. Ann. Date Grow. Inst.

Mason, S. C.

Relative moisture and ash content of green and partially dry palm leaves. Rep. Ann. Date Grow. Inst. 6: 3-4. Ap.20, 1929.

Rep. Ann. Date Grow. Inst. (cont.)
Swingle, W. T.
Date culture in southern Morocco. Rept. Ann. Date Grow. Inst. 6: 16-18. Ap.20, 1929.

Rev. Agronómica. (Lisboa)
Carvalho e Vasconcellos, J.de.
Os agentes geográficos da distribuição das plantas. Rev. Agronómica. 18: 7-20. 1920. no.1.

Rev. Bot. Appl. (Paris)
Doubiansky, W.
Les psammophytes des déserts du Turkestan et leur rôle dans l'évolution des dunes. (cont.) Rev. Bot. Appl. Bot. 10: 143-155. illus. Mr. 1930 no. 103.

Rev. Chil. Hist. Nat.
Borne, F. P.
Al abata Molina en su centenario. Rev. Chil. Hist. Nat. 33(1929): 10-14. port. 1930.

Cabrera, A. L.
El Aster haploppus y las especies vecinas que crecen en los airededores de Buenos Aires. Rev. Chil. Hist. Nat. 33(1929): 320-325. incl. pl.xx. 1930.

Claude, J.
Plantas tintóreas de Araucania. Rev. Chil. Hist. Nat. 33(1929): 364-374. illus. 1930.

El. Doctor Don Antonio Casares Gil. Rev. Chil. Hist. Nat. 33(1929): 641-643. port. 1930.
Biographical notice.

Ebel, G.
El maitén magallánico (Maytenus magellanica, Hook.) Rev. Chil. Hist. Nat. 33(1929): 55. incl. pl. ii. 1930.

Espinosa, M. R.
Algunas plantas queconviene evitar en los cultivos. Rev. Chil. Hist. Nat. 33(1929): 233-236. incl. pl. xiii. 1930.

Rev. Chil. Hist. Nat. (cont.)

Espinosa, M. R.

Anotaciones botánicas. Rev. Chil. Hist.Nat. 33(1929): 128-134. illus. 1930.

1. La patagua [Crinodendron patagua] y el chilco [Fuchsia magellanica] en Juan Fernandez. 2. El nombre cientifico del avellano chileno [Gevuina avellana] 3. Observaciones ecológicas sobre Calceolaria scabiosifolia Sims.

Espinosa, M. R.

Dos especies nuevas de Nothofagus. Rev. Chil. Hist. Nat. 32(1928): 171-197, incl pl.vii-xii. illus. 1929.

Nothofagus leoni, N. alessandrii n.ssp.

Felippone,F.

Contribución a la flora briologica del Uruguay. Rev. Chil. Hist. Nat. 32(1928): 83-88. 1929.

Bryum austro affine, B. montevidense, B. parvulum n.spp.

Felippone, F.

Contribución a la flora liquenológica del Uruguay. Rev. Chil. Hist. Nat. 33(1929): 269-271. incl. pl. xvi. 1930.

Frenguelli, J.

Dos formas nuevas de diatomeas de las lagunas de la Provincia de Buenos Aires. (R.A.) Rev. Chil. Hist. Nat. 33(1929): 272-273. illus. 1930.

Frenguelli, J.

Sobre una diatomea nueva procedente de los tripolis de los salares chilenos. Rev. Chil. Hist.Nat. 32(1928): 198-201. illus. 1929. Scoliopleura lorami.

Frenguelli, J.

Trachelomonas de los esteros de la región del Yberá en la provincia de Corrientes, Argentina. Rev. Chil. Hist. Nat. 33(1929): 563-568. incl. pl. xxxii. 1920.

T. vasculum, T. calix, T. proboscidata, T. porteri, T. alata, T. yberiensis, n.spp.

Rev. Chil. Hist. Nat. (cont.)

Fuentes, F.
Comentarios sobre el té de burro (Vivania rosea y otras plantas). Rev. Chil. Hist. Nat. 33(1929): 247-252. incl. pl. xiv. 1930.

Té de burro del norte (Eritrichium gnaphalioides te de burro de centro (Vivania rosea, sometimes Calceolaria polifolia, Cephalophora aromatica, Phacelia circinata).

Fuentes, F.
Sobre las acaenas y la lana. Rev. Chil. Hist. Nat. 32(1928): 55-56. 1929.

Gigoux, E. E.
Plantas industriales del valle de Copiapó. (concl.) Rev. Chil. Hist. Nat. 32(1928): 129-131. 1929.

Gonzalez, M. & Lombardo, A.
Palmeras Uruguayas. Rev. Chil Hist. Nat. 33 (1929): 556-558. 1930.

Gunckel, H.
Las obras del abate D. Juan Ignacio Molina. Rev. Chil. Hist. Nat. 33(1929): 428-453. 1930.

Gunckel, H.
Sobre el espino maulino (Acacia cavenia, Mol.) Rev. Chil. Hist. Nat. 32(1928): 34-36. Rev. Chil. Hist. Nat. 32(1928): 34-36. 1929.

Herrera, F. H.
Plantaginaceae cuzcoensis. Rev. Chil. Hist. Nat. 33(1929): 274-278. incl. illus., pl.xvii. 1930.

Johnston, I.M.
A new Chilean plant and some nomenclatorial changes. Rev. Chil. Hist. Nat. 33(1929): 25-27. 1930.

Solanumi sitiens n.sp.

Joseph, C.
Nota sobre algunos helechos de Chile. Rev. Chil. Hist. Nat. 33(1929): 217-222. incl. pl.xii. 1930

Rev. Chil. Hist. Nat. (cont.)

Looser, G.
Catalogua cactacearum Chilensium. Rev. Chil. Hist. Nat. 33(1929): 583-614. incl. pl. xxxiii. 1930.

Molfino, J. F.
Notas sobre una sapindacea nueva para los Andes argentinos. Rev. Chil. Hist. Nat. 33 (1929): 253-256. illus. 1930.
Bridgesia incisaefolia.

Porter, C. E.
El Dr. Phil. don Carlos Reiche. Rev. Chil. Hist. Nat. 33(1929): 63-64. port. 1930.

Porter, C. E.
El Prof. Francisco Fuentes M. Rev. Chil. Hist. Nat. 32(1928): 31-33. illus. 1929.

Santa Cruz, A.
Los sudorificos Chilenos. Rev. Chil. Hist. Nat. 33(1929): 279-281. incl. pl. xviii. 1930.
El palqui (Cestrum pargui L.); el guayacan de Chile (Porliera hygrometrica R. et P.), la vira-vira (Gnaphalium vira vira Mol.) Salix humboldtiana.

Scala, A. C.
Contribucion al estudio histologico de las maderas chilenas. Rev. Chil. Hist. Nat. 33(1929): 257-268. illus., pl. xv. (col.) 1930.
Embothrium coccineum.

Theriot, I.
Contribution á la flore bryologique du Chili. IX. Rev. Chil. Hist. 32(1928): 252-255. illus. 1929.

Theriot, I.
Le genre Leptodontium au Chili. Rev. Chil. Hist. Nat. 33(1929): 515-517. incl. pl.xxviii. 1930.
L. bullocki, n.sp.

Theriot, I.
Mousses de Bolivie recoltes par le P. Felix Jaffuel. Rev. Chil. Hist. Nat. 33(1929): 135-141. incl. pl.vi-vii. 1930.

Rev. Chil. Hist. Nat. (cont.)

Urban, O.

Flora Chilena. Breves notas sobre la Philesia buxifolia Lam. y la Desfontainea spinosa R. et Pav. var., Hookeri Dun. Rev. Chil. Hist. Nat. 32(1928): 43-48. incl. pl. iii. 1929.

Urban, O.

Littorella australis Griseb. Rev. Chil. Hist. Nat. 33(1929): 149-153. incl. pl.viii. 1930.

Schweiz. Zeitschr. Forstw. (Bern)

Tanner,

Der nadelholzzapfen ein spross! Schweiz. Zeitschr. Forstw. 81: 150-151. 2 pl. on 1. Ap. 1930. no.4.

Science. (Lancaster, Pa.)

Clark, E. P.

Some constituents of Derris and "cube" roots other than rotenone. Science. 71: 396. Ap.11, 1930. no.2257.

Cook, O. F.

Branching habits of the Hevea rubber tree. Science. 71: 386-387. Ap.11, 1930. no.1841.

Hansen, H. N.

Segregation (?) in Phoma terrestris. Science. 71: 424. Ap.18, 1930. no.1842.

Ward, H. B.

Stephen Alfred Forbes - a tribute. Science. 71: 378-381. Ap.11, 1930. no.1841.

Science News Letter.

Plants see without eyes. Science News Letter. 17:239. Ap.12, 1930.

Effect of colored light on plants.

Results of investigation by F.S. Brackett and E.S. Johnston.

Scient. Amer. (New York)

Dacy, G. H.

Edison's rubber. What Mr. Edison is doing in his attempt to develop an American wartime, emergency rubber industry in the south. Scient. Amer. 142: 384-385. illus. My.1930. no.5.

Scient. Amer. (Cont.)

Florida's lusty infant industry. Tree producing invaluable tung oil now naturalized American. Scient. Amer. 142: 355. illus. My. 1930. no.5.

Study Bur. Business Res. School Comm. Univ. Georgia.

Harper, R.M.

The natural resources of Georgia. Study Bur. Business Res. School Comm. Univ. Georgia. 2. (Bull. Univ. Georgia. v.30, no.3). 105 p. illus. (incl. maps) F.1930.

The regions of Georgia in detail (- General features - Climate - Vegetation - Animal life.

Succulenta. (Leeuwarden)

Fouten, J.M. van den

Hoe heet die cactus? 4. Cylinder-Opuntia's uit Zuid-Amerika. Succulenta. 15: 59-61. illus. 1930. no.4.

Trans. Wisc. Acad.

Conklin, G. H.

The Hepaticae of Wisconsin. Trans. Wisc. Acad. 24: 197-247. map. 1929.

Cooper, G. O.

A cytological study of fertilization in Achlya hypogaea Coker and Pemberton. Trans. Wisc. Acad. 24: 303-308. pl.2. 1929.

Cooper, G. O.

Cytological studies on the sporange development and gametogenesis in Brevilegnia declina Harvey. Trans. Wisc. Acad. 24: 309-322. pl.3-5. 1929.

Davis, J.J.

Notes on parasitic fungi in Wisconsin. XV-XVII. Trans. Wisc. Acad.Sci. 24: 269-277,279-293,295-302c. illus. 1929.

Hopkins, E. W.

Microchemical tests on the cell walls of certain fungi. Cellulose and chitin. Trans. Wisc. Acad. 24: 187-196. 1929

Trans. Wisc. Acad. (cont.)

Lugg, J.H.

Some notes on Allomyces arbuscula Butler. Trans. Wisc. Acad. 24: 343-355. incl. pl.8. 1929.

Main, A.K.

Life and letters of Edward Lee Greene. Trans. Wisc. Acad. 24: 147-185. 1929.

Piehl, A.E.

The cytology and morphology of Sordaria Ces. and DeNot. Trans. Wisc. Acad. 24: 323-341. incl. pl 6-7. 1929.

Preliminary reports on the flora of Wisconsin I-III. Trans. Wisc. Acad. 24: 249-268,357-361. illus. (maps) 1929.

I.-II. Juncaginaceae, Aliamaceae, Ericaceae. N.C. Fasset. III. Lobeliaceae, Campanulaceae, Cucurbitaceae. K.L. Mahony.

Schuette, H.A. & Alder, H.

A note on the chemical composition of Chara from Green Lake Wisconsin. Trans. Wisc. Acad. 24: 141-145. 1929.

Schuette, H.A. & Alder, H.

Notes on the chemical composition of some of the larger aquatic plants of Lake Mendota. III. Castalia odorata and Najas flexilis. Trans. Wisconsin Acad. 24: 135-139. 1929.

Trop. Agr. (Ceylon) (Peradeniya)

Blackman, V. H.

Agricultural meterorology in its plant physiological relationships. Trop. Agr. (Ceylon) 74: 84-90. F.1930. no.2.

Paper read before Agricultural section of Conference of Empire meteorologists, 1929.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)

Hédin, L.

Commercial mahogonies of French Cammeroon. Trop. Woods, Yale Univ. Sch. For. 21: 1-5. Mr.1, 1930.

Species of Khaya and Entandrophragna.

Trop. Woods, Yale Univ. Sch. For. (cont.)

Record, S. J.

Notes on Australian woods. Trop. Woods, Yale Univ. Sch. For. 21: 8. Mr.1, 1930.

Standley, P. C.

Notes on Mexican trees. Trop. Woods Yale, Univ. Sch. For. 21: 6-8. Mr.1,1930.

Swietenia macrophylla, S. humilis, S. cirrhata, Lonchocarpus longistylus, L. yucatanensis (the latter the "balche" tree of Yucatan).

Standley, P. C.

A second list of the trees of Honduras. Trop. Woods, Yale Univ. Sch. For. 21: 9-41. Mr.1, 1930.

U.S. Dept. Agr. Plant Dis. Rep.

Archer, W. A.

Plant diseases in West Virginia in 1928. U.S. Dept. Agr. Plant Dis. Rep. Suppl. 72: 324-365. 9 pl. D. 1929 (Rec'd Ap.1930)

Mimmeographed.

Rhoads, A. S.

Grapefruit blotch. U. S. Dept. Agr. Plant Dis. Rep. 14: 68. Ap.15, 1930. no.8.

[Mimeographed].

Rhoads, A. S.

Lumpy rind of citrus. U.S. Dept.Agr. Plant Dis. Rep. 14: 67. Ap.15, 1930. no.8.

[Mimeographed]

U.S. Dept. Agr. Yearbk.

Atwood, A. C.

Plant literature in worlds's current publications listed U.S. Dept. Agr. Yearbk. (1929) 1930: 410-412.

Darrow, G.M. & Waldo, G.F.

Strawberry called the Blackmore is a good dual-purpose variety. U.S. Dept. Agr. Yearbk. (1929) 1930: 497-499. illus.

U.S. Dept. Agr. Yearbk. (cont.)

Filler, E. C.
Blister-rust control makes progress in protecting white pine. U.S. Dept. Agr. Yearbk. (1929) 1930: 140-141.

Galloway, B. T.
Bamboos valuable for ornamental use when properly situated. U.S. Dept. Agr. Yearbk. (1929) 1930: 124-125. illus.

Gravatt, G. F.
Chestnut blight does not mean early end of tannin-extract industry. U. S. Dept. Agr. Yearbk. (1929) 1930: 160-162. illus.

Johnson, J.
Tobacco diseases are largely controllable by sanitary measures. U.S. Dept. Agr. Yearbk. (1929) 1930: 516-519. illus.

Kearney, T. H.
Cotton breeding to-day works with main types known in remote past. U.S. Dept. Agr. Yearbk. (1929) 1930: 182-190. illus.

Levine, M.N. & Stakman, E.C.
Black stem rust of cereals has more than 60 physiologic forms. U.S.Dept. Agr. Yearbk. (1929)1930: 137-140.

Ryerson, K. A.
Papaya growing in South Florida has made some headway. U.S. Dept. Agr. Yearbk. (1929) 1930: 400-402. illus.

Schertz, F.
Chlorophyll, cause of greenness in plants, is influenced by nitrogen. U.S. Dept. Agr. Yearbk. (1929) 1930: 162-163.

Scofield, C. S.
Boron in irrigation water may hurt citrus and walnut orchards. U.S. Dept. Agr. Yearbook. (1929) 1930: 141-144.

Steiner, G.
Nemas causing plant galls controlled best through crop rotation. U. S. Dept. Agr. Yearbk. (1929) 1930: 391-394.

U.S. Dept. Agr. Yearbk. (cont.)

Swingle, C. F.

Madagascar expedition finds rubber plants possibly suited to U.S. U.S. Dept. Agr. Yearbk. (1929) 1930: 370-372. illus.

Stakman, E.C. & Person, L.H. Jr.

Wheat protected from black stem rust by dusting with sulphur. U.S. Dept. Agr. Yearbk. (1929) 1930: 547-548.

Waite, M. B.

Weather's influence on plant diseases important and frequently dominant. U.S. Dept. Agr. Yearbk. (1929)1930: 534-541. illus.

Univ. Calif. Publ. Agr. Sci. (Berkeley)

Navashin, M.

Unbalanced somatic chromosomal variation in Crepis. Univ. Calif. Publ. Agr. Sci. 6: 95-106. illus. pl.4-5. Mr.19, 1930.

Věstník Ceskol. Zeměd. Musea. (Praze)

Uzel, J.

Sbírka chorob a akudcu řepy cukrové v Československem zemědělskem musseu v Praze. (A collection of organisms infectious and injurious to the sugar beet in the Agarian museum of Czechoslovakia in Prague). Věstník Českol. Zeměd. Musea. 3: 1-4. illus. 1930. no.1.

English summary: p.90-91.

Visnik Kiivsh. Bot. Sadu. (Bull. Jard. Bot. Kieff)

Chernoiarov, M.B.

...Sur quelques détails du développement du pollen de Najas major All. observes in vivo. Visnik.Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 77-81. 2 pl. 1929.

Ukrainian.

Cholodnyi, N. G.

...On the growth of vertically and horizontally placed stems in connection with the question of the horomonal nature of tropisms. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 31-47. pl. 1929.

Ukrainian with English summary.

Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) (cont.)

Fomin, A.

Eine neue art der gattung Cryptogramma aus Sibirien. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 10: 3-4. 1929.

C. raddeana.

Gizhitska, Z.

... Contributions to the mycoflora of the Ukraine. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 92-101. 1929; 10: 4-41. pl. 1929.

English (introduction also in Ukrainian)

Gizhitska, Z.

Materials (contributions) to the Discomycetes of Ucraina and other localities. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff). 10: 54-67. 1929.

Kleopov, I. D.

... Beitrage zur flora des Stalin-kreises. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 10: 68-86. 1929.

Ukrainian with German summary.

Kleopov, I.D.

... Beitrage zur flora des Tscherkasskreises. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 3-17. 1129.

Ukrainian with brief German summary.

Kleopov, I. D.

... Kritische bemerkungen über einige pflanzen der Ukraine II. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 64-76. 1929.

Ukrainian with very brief German summary and Latin diagnosis of new species (Cynanchum rossicum, C. mecticum) and of Silene media.

Oksner, A. M.

... Etwas über die flechtenflora der Tschuktschenhalbinsel. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff). 9: 87-91. illus. 1929.

Ukrainian with German summary.

Oksner, A. M.

... Neue arten von Aspicilia aus Zentral-Asien. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 10: 87-88. 1129.

A. lazarenboi, A. thjanschanica.

Ukrainian with Latin diagnosis.

Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) (cont.)

Oksner, A.M.

Ueber Ramalina rjabuschinskii Sav. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 9: 82-86. illus. 1929.

Oksner, A.M.

...Zehn für die Ukraine neue flechtenarten. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff) 9: 47-51. 1929

Ukrainian with German summary.

Oksner, A.M.

... Zur systematik der gattung Lecania. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 62-63. 1929.

Ukrainian with Latin diagnosis of new sp. (L. ferganae).

Rudenko, K. I.

... Bildung der spermazellen bei Scrophularia nodosa L. und S. alata Gilib. bei der teilung der generativen zelle im pollenschlauch. Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 18-30. pl. 1929.

Ukrainian with German summary.

Vakulenko, N.I.

... Zur quantitativen anatomie des blattes von Lysimachia nummularia. Visnik Kiivsk. Bot. Sadu (Bull. Jard. Bot. Kieff). 9: 53-61. 2 pl. 1929.

Ukrainian with German summary.

Visiulina, O.

... Ueber einige pflanzen aus dem Kaukasus. I- Visnik Kiivsk. Bot. Sadu. (Bull. Jard. Bot. Kieff) 9: 102-104. 1929.

Salvia sahendica subsp. compar.

Western Flor.

McQuade, D. J.

Why cut flowers don't keep. Western Flor. 13(15): 4-5. Ap.10, 1930.

Zeitschr. Pflanzenkr. (Stuttgart)

Schwaebel, F. X.

Kupferhaltige trockenbeizen. Zeitschr. Pflanzenkr. 40: 113-117. illus. Mr. 1930. no.

Zeitschr. Pilzk. (Leipzig)

Killermann, S.

Pilze aus Bayern, III Teil. (concl.). Zeitschr. Pilzk. 14(n.s.9): 37-42. Mr.28, 1930. no.3.

Knauth, B.

Die hoheren pilze der Dresdener heide. (cont.) Zeitschr. Pilzk. 14(n.s.9): 34-37. Mr.28, 1930. no.3.

Zuckerrubenbau. (Hannover)

Ramin,

Moglichst kampf gegen das unkraut vor und bei der rubenbestellung, nicht bei den pflegearbeiten. Zuckerrubenbau. 12: 37-40. Mr. 1930. no. 3.

Exper. Stat. Publ.

Vickery, H. B. & Mendel, L.B.

The work of Thomas Burr Osborne (1859-1929). Connecticut Agr. Exp. Stat. Bull. 312: 283-290. port. F. 1930.

Van Haltern, F.

Seed treatment for the control of seed-borne diseases of melon, cucumber and squash. Georgia Agr. Exp. Stat. Circ. 88. 8 p. F.1930.

New Jersey agricultural experiment station - Dept. of plant pathology.

Final data on rose spraying in 1929 (cont.) Its Nursery disease notes, v.2, no.10. 4 p. Ap. 1930.

Hawthorn, L.R. & Wellington, R.

Geneva, a greenhouse cucumber that develops fruit without pollination. New York Agr. Exp. Stat. Bull.580. 11 p. illus. F. 1930.

Young, H. C.

Water soluble arsenic in spray material. Ohio Agr. Exp. Stat. Bull. 448. 22 p. illus. Mr. 1930.

Exper. Stat. Publ. (cont.)

Heald, F.D.

[Report of the] Division of plant pathology. Ann. Rep. Washington Agr. Exp. Stat. 39(Bull.237): 38-41. D.1129 (Rec'd Ap.1130).

New Books.

Stevenson, N.I.

A pocket guide to thirty tropical trees cultivated in Florida. [Fayette, Ia., 1929]

A reprint of the 1928 ed. with ten additional trees.

Viani, P.

Trattato di orticolture. 2 v. Catania, F. Battiato, 1929.

Wister, J. C.

Lilac culture. N.Y., O. Judd. 1930.

Journ. Agr. Res. (Washington, D. C.)

Longley, A. E. & Sando, W.J.

Nuclear divisions in the pollen mother cells of Triticum, Aegilops, and Secale and their hybrids. Journ. Agr. Res. 40: 683-719. illus. Ap. 15, 1930. (Ap. 24) no.8.

Siegler, E.A.

Effect of the apple strain of the crown-gall organism on root production. Journ, Agr. Res. 40: 747-753. illus. Ap.15,1930(Ap.24). no.8.

Walker, J.C.

Inheritance of Fusarium resistance in cabbage. Journ. Agr. Res. 40: 721-745. illus., col.pl. Ap. 15,1930 (Ap.24) no.8.

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

LIBRARY
★ MAY 26
U.S. Department of Agriculture

Vol. 12, no. 10. April 28-May 10, 1930.

Acta Univ. Lund. (Lunds Univ. Årsskr.)

Fries, T.C.E.

Fuerstia eine neue Afrikanische pflanzengattung. Acta Univ. Lund. (Lunds Univ. Årsskr.) n.s., avd.2, v.25, no.17, 4 p. 2 pl. 1929.

F. africana.

Gertz, O.

Ueber die jodidoxydasen der angiospermen, ihre verbreitung und eigenschaften. Acta Univ. Lund. (Lunds Univ. Årsskr.) n.s., avd.2, v.25, no.14. 61 p. 1929.

Kylin, H.

Die delesseriaceen Neu-Seelands. Acta Univ. Lund. (Lunds Univ. Årsskr.) n.s., avd.2, v.25, no.2. 14 p. 12 pl. 1929.

Naumann, E.

Ueber die formbildung der kolonien von Uroglenopsis americana (Calkins) Lemm. in ihrer abhängigkeit von einigen milieufaktoren. Acta Univ. Lund. (Lunds Univ. Årsskr.) n.s., avd.2, v.25, no.16. 7 p. 1929.

Thunberg, T.

Ueber das vorkommen einer hexose-diphosphorsäure-dehydrogenase in pflanzensamen. Acta Univ. Lund. (Lunds Univ. Årsskr.) n.s., avd.2, v.25, no.9. 16 p. 1929.

Wallengren, H.

Metarrhizium anisopliae och Pyrausta nubilalis HB. Acta Univ. Lund. (Lunds Univ. Årsskr.) n.s., avd.2, v.25, no.2. 20 p. illus. 1929.

Årsber. Norges Landbrukshøisk. Åkervekstf. (Oslo)

Lunden, Aksel P.

Undersøkelser over nedarvning av faktorer som bestemmer knollfarve, blomsterfarve og stengelfarve hos poteter, samt litt om disse karakterers korrelasjonsforhold. Årsber. Norges Landbrukshøisk. Åkervekstf. 39:1-16. 1929.

562/56
350-3

[illegible]

319121
V.12, no.10. p.2.

Årsber. Norges Landbrukshøisk. Åkervekstf. (cont.)
Øverby, G.
Morfologiske sortskarakterer hos potet. Årsber. Norges Landbrukshøisk. Åkervekstf. 39: 17-115. illus. 1929.

Agric. Colon. (Firenze)
Maugini, A.
Contributi alla conoscenza di alcuni prodotti vegetali spontanei della Cirenaica. (cont.). Agric. Colon. 24: 189-191. Ap.1930. no.4.
Sparto (Lygeum spartum)

Agricultura (Madrid)
Villar, J. C.
Una plaga de la remolacha. El nematodo "Heterodera schachtii". Agricultura. (Madrid). 2: 243-248. illus. Ap.1930. no.16.

Agric. Engin.
Barr, H. T.
Laboratory studies on toxic chemical control of wood destroying fungi. Agr. Engin. 11: 161-163. illus. Ap.1930. no.4.

Agr. Journ. Brit. Guiana. (Georgetown)
Martyn, E.B.
The Sclerotium disease of coffee. Some notes on the origin of the disease, its outbreak, and control. Agr. Journ. Brit. Guiana. 3: 28-34. Mr. 1930. no.1.
S. coffeicolum.

Amer. Bot. (Indianapolis, Ind.)
Bogs and bog plants. Amer. Bot. 36: 81-85. Ap. 1930. no.2.

Clute, W. N.
The meaning of plant names XLII. The thistles. Amer. Bot. 36: 72-76. Ap.1930. no.2.

Clute, W. N.
The pasque flower. Amer. Bot. 36: 63-65. 1 pl. Ap. 1930. no.2.

Amer. Bot. (cont.)

Clute, W.N.
The ways of wild flowers. (cont.) Amer. Bot. 36: 94-103. Ap.1930. no.2.

Neff, I. J.
A new mullein in Indiana. Amer. Bot. 36: 85-87. Ap. 1930. no.2.
Verbascum thapsiforme.

Stancliff, J. O.
A botanophile in Florida. Amer. Bot. 36: 65-71. Ap.1930. no.2.

Williams, C. R.
Corema in the pine barrens. Amer. Bot. 36: 77-80. Ap.1930. no.2.
C. conradii.

Amer. Fern Journ.

Graves, E. W.
A visit to Sand Mountain, Alabama. Amer. Fern Journ. 20: 22-25. Ja./Mr. 1930 (Rec'd My.) no.1.

Maxon, W. R.
New tropical American ferns. VII. Amer. Fern Journ. 20: 1-4. Ja./Mr. 1930. (Rec'd My.) no.1.
Polypodium hombersleyi, Tectaria trinitensis.

Porter, C.L. & Porter, M. W.
Ferns and fern allies of the Muskoka Lake region of Ontario. Amer. Fern Journ. 20: 18-21. Ja./Mr. 1930 (Rec'd My.) no.1.

Schaffner, J.H.
Diagnostic analysis and phylogenetic relationship of the main groups of Equisetum. Amer. Fern Journ. 20: 11-18. Ja./Mr. 1930 (Rec'd My.) no.1.

Amer. For. & For. Life. (Washington, D.C.)

Whittle, C. A.
The sycamore's ancient family tree. Amer. For. & For. Life. 36: 291-292. illus. My.1930. no.5.

Amer. Journ. Bot.

Reid, M.E.

Growth and nitrogen metabolism of squash seedlings. I. Variations at different seasons of the year. Amer. Journ. Bot. 17: 272-289. pl.xxi. Ap.1930. no.4.

Sax, K.

Chromosome stability in the genus Rhododendron. Amer. Journ. Bot. 17: 247-251. pl.xx. Ap.1930. no.4.

Shippy, W. B.

Influence of environment on the callusing of apple cuttings and grafts. Amer. Journ. Bot. 17: 290-327. illus., pl.xxii-xxiii. Ap.1930. no.4.

Skutch, A. F.

On the development and morphology of the leaf of the banana (Musa sapientum L.). Amer. Journ. Bot. 17: 252-271. illus. Ap. 1930. no.4.

Anales Soc. Cient. Arg. (Buenos Aires)

Molfino, J. F.

Nota sobre "Mycocitrus aurantium" Möll, Curiosa especie de ascomiceta de la selva de misiones. Anales Soc. Cient. Arg. 109: 137-143. illus. 1930. no.3.

Ann. Bryol.

Arnell, H. W.

Die moosvegetation an den van der Schwedischen Jenissei-expedition im jahre 1876 besuchten stellen. II. Ann. Bryol. 3: 1-24. 1930.

Buch, H.

Ueber die entstehung der verschiedenen blattflächenstellungen bei den lebermoosen. Ann. Bryol. 3: 25-40. illus. 1930.

Chalaud, G.

Les derniers stades de la spermatogenèse chez les hépatiques. Ann. Bryol. 3: 41-50. illus. 1930.

Ann. Bryol. (cont.)

Dixon, H. N.
Additions to the moss flora of the north-western Himalayas. Ann. Bryol. 3: 51-70. 1930.

Douin, C.
Le thalle mixte du Sphaerocarpus. Ann. Bryol. 3: 70-82. illus. 1930.

Evans, A. W.
Two species of Lejeunea from Chile. Ann. Bryol. 3: 83-88. illus. 1930.
Lejeunea patagonica, L. corralensis (n.sp.)

Fleischer, M.
Bemerkungen über "Morphologische untersuchungen über die phylogenie der laubmoose" von W. Stepputat und H. Ziegenspeck. Ann. Bryol. 3: 89-96. 1930.

Garjeanne, A. J.M.
Das zusammenleben von Blasia mit Nostoc. Ann. Bryol. 3: 97-109. illus. 1930.

Herzog, T.
Besitzt Stephaniella ein perianth? Ann. Bryol. 3: 110-114. illus. 1930.

Herzog, T.
Mnioloma Herzog nov.gen. Hepaticarum. Ann. Bryol. 3: 115-120. illus. 1930.

Herzog, T.
Studien über Drepanolejeunea. Ann.Bryol. 3: 126-149. illus. 1930.

Herzog, T.
Ueber den blattdimorphismus von Pilosium C.M. Ann. Bryol. 3: 121-125. illus. 1930.

Nicholson, W. E.
"Atlantic" hepatics in Yunnan. Ann. Bryol. 3: 151-153. 1930.

Sainsbury, G.O.K.
On the occurrence of Trematodon suberectus Mitt. in volcanically active soil. Ann. Bryol. 3: 154-156. 1930.

Ann. Bryol. (cont.)

Schmidt, H.
Einige ergebnisse bei anatomischen untersuchungen. Ann. Bryol. 3: 157-163. illus. 1930.

Verdoorn, Fr.
Die Frullaniaceae der Indomalesischen Inseln (De frullaniaceis vii). Ann. Bryol. v.1, suppl. 187 p. illus. 1930.

Ann. Gembloux. (Brussels)

Bemelmans, J.
Systématique du genre Coffea Linn. et terres à café du Brésil. Ann. Gembloux. 36: 128-137. illus. Ap.1930. no.4.

I[illegible]nsky, J.
A propos de fongicides et de procédés de désinfection. Ann. Gembloux. 36: 121-127. Ap.1930. no.4.

Ann. Natal Mus.

Warren, E.
On a natural hybrid between the genera Venidium and Arctotis. Ann. Natal Mus. 6: 171-217. illus. pl.xii-xiii, fold.tab. 1929.
V. wyleyi x Arctotis stachadifolia var. grandis.

Ann. Rep. Dept. Agr. Bombay Pres.

Uppal, B. N.
Summary of the work done under the plant pathologist... Bombay presidency, Poona, for the year 1928/29. Ann. Rep. Dept. Agr. Bombay Pres. 1928/29: 199-204. 1930.

Arch. Bot. Sist., Fitogeogr. e Gen. (Forli)

Béguinot, A.
Commemorazione del Prof. O. Penzig. Arch. Bot. Sist. Fitogeogr. e Gen. 6: 60-88. port. Mr. 1930. no.1.
Scritti botanici del prof. Penzig: p. 83-88.

Lanzoni, F.
Dimorfismo specifico in una pianta di Cereus tetragonus Haw.? Arch. Bot. Sist. Fitogeogr. e Gen. 6: 1-8. illus. Mr.1930. no.1.

Arch.Bot. Sist. Fitogeogr. e Gen. (cont.)

Marchesetti, C. de.
Flora dell'isola di Cherso. Arch. Bot. Sist. Fitogeogr. e Gen. 6: 16-59. Mr.1930. no.1.
Preface by Augusto Béguinot.

Sbarbaro, C.
Licheni italiani nuovi o interessanti. Arch. Bot. Sist. Fitogeogr. e Gen. 6: 9-15. Mr.1930. no.1.

Arch. Theecult.

Boedyn, K.B. & Steinmann, A.
Over de op thee en andere cultuurplanten in Ned.-Indië optredenden Helicobasidium- en Septobasidium-soorten. (On the species of Helicobasidium and Septobasidium occurring on tea and other cultivated plants in the Dutch East Indies). Arch. Theecult. 1930(1): 5-59. 29 pl. on 16. (2 col.). F. 1930.
English translation: p.37-59.
S.tuberculatum, S.flavo-brunneum, S. tigrinum, S.pilosum n.spp. Septobasidium harmless or even beneficial as it is parasitic on scale insects.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Roma)

Mezzadroli, G. & Vareton, E.
Ulteriori ricerche sull'azione esercitata da un radio-oscillatore per onde ultracorte di $\lambda = 2\text{-}3$ m., sulla germinazione dei semi e sull'accrescimento delle piante. Atti R. Accad. Naz. Lincei VI, Rend. Cl.Sci.Fis., Mat. e Nat. 11: 93-98. diagrs. Ja.5, 1930. no.1.

Petri, L.
La riproduzione sperimentale del "mal del secco" dei limoni. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat e Nat. 11: 146-149. Ja.19, 1930. no.2.

Ber. Westpreuss. Bot.-Zool. Ver.

Dobbrick, W.
Volkstümliche pilzkenntnis im kreise Danziger höhne. Ber. Westpreuss. Bot.-Zool. Ver. 51:35-42. 1929.

Ber. Westpreuss. Bot.-Zool. Ver.(cont.)

Fischer, H.
Die kohlensäure-ernährung der pflanzen. Ber. Westpreuss. Bot.-Zool. Ver. 51: 43-52. 1929.

Lakowitz, K.
Die chlorophyceen (einschlieszlich charophyten), grüntange, der gesamten Ostsee. Ber. Westpreuss. Bot.-Zool. Ver. 51: 65-95. 1929.

Lakowitz, K.
Verzeichnis der in Griechenland und auf der Insel Kreta während der vereinsstudienfahrt im April 1928 gesammelten pflanzen. Ber. Westpreuss. Bot.-Zool. Ver. 51: 61-67. illus. 1929.

Seligo, A.
Konrad Lakowitz and seinem siebzigsten geburtstage. Ber. Westpreuss. Bot.-Zool. Ver. 51: v-xii. port. 1929.

Bull. Assoc. Chim. Sucrerie & Distill. France & Colon. (Paris)

Pieraerts, J., Castagne, E. & Meulenbergh, J.
Une sapotacée congolaise à graine riche en saccharose, l'Autranella congolensis (cont.). Bull. Assoc. Chim. Sucrerie & Distill. France. & Colon. 47: 72-78. illus. F.1930. no.2.

Bull. Boston Soc. Nat. Hist. (Boston)

Harris, S. K.
Some characteristic plants of Mount Washington. Bull. Boston Soc. Nat. Hist. 55: 5-11. illus. Ap.1930.

Bull. Hist. Appl. Phys. et Path.

Guilliermond, A.
Résultats d'observations ultramicroscopiques sur les cellules végétales. Bull. Hist. Nat. Appl. Phys. & Path. 7: 65-78. illus. Mr.1930. no.3.

Bull. Soc. Chim. France. (Paris)

Bertrand, G. & Mokragnatz, M.
Sur la répartition du nickel et du cobalt dans les plantes. Bull. Soc. Chim. France. IV, 48:328-331. Mr.1930. no.3.

Bull. Soc. Mycol. France. (Paris)

Brebinaud, P.
Armillaria constricta Fr. = Lepiota constricta Quel. = Tricholoma constricta Rick. Bull. Soc. Mycol. France. 45: 304-305. Mr.30, 1930. no.4.

Joachim, L.
Un ouvrage mycologique peu connu. Bull. Soc. Mycol. France. 45: 300-301. Mr.30, 1930. no.4.
Fungorum et Byssorum illustrationes by Francois Fulgis Chevallier.

Josserand, M.
Note sur Russula integra (L.) Fries. Bull. Soc. Mycol. France. 45: 278-283. illus. Mr.30, 1930. no.4.

Kuhner, R. & Boursier, J.
La forme des spores chez les agarics rhodo-goniosporés (genre Rhodophyllus Quélet). Bull. Soc. Mycol. France. 45: 264-277. illus. 2 pl. Mr.30, 1930. no.4.

Lutz, L.
Nouvelles expériences sur la spécificité des champignons hyménomycètes lignicoles vis-à-vis de leurs supports. Sur la spécificité du Corticium quercinum. Bull. Soc. Mycol. France. 45: 261-263. Mr.30, 1930. no.4.

Maire, R.
Ernest-Réne Peltereau (1842-1928). Notice biographique. Bull. Soc. Mycol. France. 45: 257-260. port. Mr.30, 1930. no.4.
Liste des publications mycologiques de Peltereau: p.260.

Melzer, V.& Zvara, J.
A propos de Russula adusta Pers. et de R. albonigra Krhz. Bull. Soc. Mycol. France. 45: 287-289. Mr.30, 1930. no.4.

Melzer, V.
Russula helodes, sp.n. Bull. Soc. Mycol. France. 45: 284-286. pl.vi (part.col.) Mr.30, 1930. no.4.

Nicolas, G. & Aggery, Mlle.
Observations sur Stagonospora crini Bubak et Kabat. Bull. Soc. Mycol. France. 45: 297-299. illus. Mr.30, 1930. no.4.

Bull. Soc. Mycol. France. (cont.)

Nicolas, G. & Aggery, Mlle.
Remarques sur Cycloconium phillyreae Nicol. & Agg. Bull. Soc. Mycol. France. 45: 295-296. Mr.30, 1930. no.4.

Pavillard, J.
Le Polyporus lucidus Fries cavernicole. Bull. Soc. Mycol. France. 45: 302-303. Mr.30, 1930. no.4.

Sauger, M.
Etude sur la valeur taxonomique de l'anneau des Agaricales. Bull. Soc. Mycol. France. 45: 290-294. Mr.30, 1930. no.4.

Société mycologique de France.
Atlas de planches coloriées. pl. xxxvii. Bull. Soc. Mycol. France. Suppl. v.45, f.4. Mr.30, 1930. no.4.
Hygrophorus laetus.

Canad. Field Nat. (Ottawa)

House, H. D.
A collection of plants from Point Abino, Ontario Canad. Field Nat. 44: 117-119. My. 1930. no.5.

China Journ. (Shanghai)

Kellogg, C. R.
The honey-bee as a pollinating agent. China Journ. 12: 210-214. Ap. 1930. no.4.

Communic. Inst. Quaest. For. Finland. (Helsingfors)

Auer, V.
Present peat bogs in southeastern Canada. Communic. Inst. Quaest. For. Finland. v.13 [no.1] 54 p. illus. 1928(1929)

Kujala, V.
Beobachtungen über die waldvegetation auf lehnboden bei Mustila in Elimäki (Süd-Finnland). Communic. Inst. Quaest. For. Finland. v.13, [no.4] 16 p. 1928 (1929)

Kujala, V.
Untersuchunger über waldtypen in Petsamo und in angrenzenden teilen von Inari-Lappland. Communic. Inst. Quaest. For. Finland. v.13, [no.9] 125 p. illus., xi pl. on 6, map. 1929.

Compt. Rend. Acad. Sci. Paris.
Coupin, H.
Sur les conditions de formation des conidies et des périthèces chez l'Eurotium repens de Bary. Compt. Rend. Acad. Sci. Paris. 190: 972-974. Ap.23, 1930. no.16.

Contr. Biol. Lab. Sci. Soc. China.
Nyi, T.
Observation on the sex differentiation and flower anatomy of Firmiana simplex Wight (Firmiana platanifolia Scott. & Endl., Sterculia platanifolia L.F.) Contr. Biol. Lab. Sci. Soc. China. v.5, no.3. 25 p. illus. 1929. no.3.

Ernähr. Pflanze. (Berlin)
Szolnoki, I.
Radioaktivität, lichtelektrizität und kaliwirkung. Ernähr. Pflanze. 26: 177-180. illus. Ap.15, 1930. no.8.

Facts about sugar (New York)
Brandes, E. W.
The cane breeding station at Canal Point. Facts about sugar. 25: 418-419. illus. Ap.26, 1930. no.17.

Flor. Exch. (New York)
Prof. James A. Harris. Flor.Exch. 74(1): 39. My.3, 1930.
Notice of death.

Flor. Rev. (Chicago)
Chadwick, L.C.
Studies on propagation. (cont.). Flor. Rev. 66(1691): 29-30. illus. Ap.24, 1930.
Title of first article "Use of chemicals in propagation".

Gard. Chron. (London)
Anderson, A. W.
Leptospermum scoparium. Gard. Chron. III, 87:328-330. illus. Ap.26, 1930. no.2261.

Botanical exploration. Gard. Chron. III, 87: 309-310. Ap.19, 1930. no.2260.
Lecture by F.K.Ward given before the Linnean Society.

Gard. Chron. (cont.)

Friend, H.
Horticulture in relation to commerce. IV-V. Gard. Chron. III, 87: 288-289, 328. Ap.12,26, 1930. no.2259, 2261.
IV. Further light from patriarchal times.
V. China's gifts to the world.

A great gardener. Gard. Chron. III, 87: 308-309. Ap.19, 1930. no.2260.
Henry John Elwes.

Greaves, H.
The evolution of modern gladioli. (concl.) Gard. Chron. III, 87: 290. Ap.12, 1930. no.2259.

J. Kaye Henry. Gard. Chron. III, 87: 318. Ap.19, 1930. no.2260.
Notice of death.

Nicholson, C.
Concerning the oxlip. Gard. Chron. III, 87: 291. Ap.12, 1930. no.2259.
P. elatior.

Notes on Sarcocca. Gard. Chron. III, 87: 285-287. illus. Ap.12, 1930. no.2259.
Illus. also on p.283.
Signed B.O.M., Wisley.

Stearn, W.T.
The hardy orange. Poncirus or Aegle? Gard. Chron. III, 87: 330-331. Ap.26, 1930. no.2261.

Ward, F. K.
Primula eucyclia, W.W. Sm. et Forrest, (K.W. 6, 822). Gard. Chron. III, 87: 287. Ap.12, 1930. no.2259.

Ward, F.K.
Two Tibetan rhododendrons. Gard. Chron. III, 87: 330. Ap.26, 1930. no.2261.
Rhododendron hirtipes, R. cerasinum.

Genetics.

Jenkins, M.T. & Bell, M.A.
The inheritance, interactions and linkage relations of genes causing yellow seedlings in maize. Genetics. 15: 253-282. My.1930. no.3.

Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot.Univ. Belgrade)

Cernjavski, P.

... Ein beitrage zur kenntnis der gehölzflora der kalktuffes (travertins) von Plevije und Prijepolje. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 205-208. illus., pl.vii. 1929. no.2.

Glišić, L.M.

Ueber die endosperm- und haustorientbildung bei Orobanche hederae Duby und Orobanche gracilis Sm. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 106-141. illus. 1929. no.2.

Jakovljević, S.J.

Influence du calcium sur la croissance et la coloration de Anchusa italica Retz. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 150-175. illus. 1929. no.2.

Jakovljević, S.J.

Ueber die harzdrüsen und den blattbau bei Juniperus excelsa M.B. und Juniperus foetidissima Willd. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1:142-149. illus. 1929. no.2.

Košanin, N.

Die koniferen Südserbiens. Glasnik Bot. Zavoda i Bashte Univ.Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 176-190. illus. 1929. no.2.

Košanin,N.

Nachträge zur Discorea balcanica Koš. Glasnik Bot. Zavoda i Bashte Univ.Beogrady(Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 199-202. illus. 1929. no.2.

Kosanin, N.

Die verbreitung der Castanea sativa im Königreiche S.H.S. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ.Belgrade) 1: 191-198. illus. (map) 1929. no.2.

Šoška, Th.

Ein blick auf die vegetation des Jama-Bistra gebirges in Südserbien. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 203-204. 1929. no.2.

Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade) (cont.)

Vuković, R; & Glišić, Lj.

Evolution chromosomique en rapport avec le nucléole dans le Gossypium herbaceum. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 97-105. pl.v-vi. 1929. no.2.

Helvetica Chim. Acta. (Basel)

Karrer, P. & Helfenstein, A.

Pflanzenfarbstoffe XVII-XIX. Helvetica Chim. Acta. 13: 86-87, 87-88, 268-273. illus. 1930. no.1-2.

XVII. Ueber die natur der carotinoide in schaf- und kuhkot. XVIII. Weiterer beitrag zur konstitution der carotinoide. XIX. Ueber zeaxanthin und xanthophyll.

H. Wehrli joint author XVIII-XIX.

Indian For. (Dehra Dun)

Hamilton, J. D.

Teak-bearing rocks. Indian For. 56: 147-156. Ap.1930. no.4.

Intern. Bul. Plant Prot.

Dusting and steeping of cereal seeds. Intern. Bull. Plant Prot. 4: 37-41. Mr.1930. no.3.

Contributions from various countries.

Reichert, I.

Palestine: Root diseases caused by Rhizoctonia bataticola. Intern. Bull. Plant Prot. 4: 17. F.1930. no.2.

Data and information on damage caused to cultivated crops by the cold of the winter 1928-1929 (cont.) Intern. Bull. Plant Prot. 4: 18-22. F.1930. no.2.

Journ. Arnold Arb.

Moore, S.

Rhadinopus, a presumed new genus of Rubiaceae from New Guinea. Journ. Arnold Arb. 11: 129-131. illus. Ap.1930. no.2.

R. pappuanus.

Journ. Arnold Arb. (cont.)

Palmer, E. J.

The spontaneous flora of the Arnold Arboretum. Journ. Arnold Arb. 11: 63-119. pl.21 Ap.1930. no.2.

Standley, P.C.

A second supplement to the flora of Barro Colorado Island, Panama. Journ.Arnold Arb. 11: 119-120. Ap.1930. no.2.

Journ. Bot. (London)

Bennett, A., Salmon, C.E. & Matthews, J.R.

Second supplement to Watson's "Topographical botany". Journ. Bot. 68(suppl.): 73-80. Ap. 1930. no.808.

Grove, W.B.

New or noteworthy fungi. X Journ. Bot. 68: 97-102. Ap.1930. no.808.

Metasphaeria hyperici, comb.nov., Ophiobolus intermedia sp.nov.

Moore, S.

Notes on Jamaica plants. (cont.) Journ. Bot. 68: 108-112. Ap.1930. no.808.

Rondeletia clarendonensis Britton MS., R. sylvestris, n.sp.; R.tomentosa var. parviflora, Portlandia grandiflora var. parviflora, Machaonia cymosa var. glabrescens, n.var.

Novitates africanae (cont.) Journ. Bot. 68: 102-107. Ap.1930. no.808.

Rendle, A. B.

African notes. Journ. Bot. 68: 117-119. illus. Ap.1930. no.808.

Trichostomum fragilifolium, Marsilia ephippiocarpa n.spp.

Senay, P.

A variety of the bluebell new to Britain (Scilla non-scripta var. lacaillei Senay). Journ. Bot. 68: 112-114. Ap.1930. no.808.

Snow, R. & Chattaway, M.M.

An artificial cross between Viola hirta and Viola odorata. Journ. Bot. 68: 115-116. Ap.1930. no.808.

Journ. Bot. (cont.)

Ward, F. K.

Fritillaria flavida Rendle and Nomocharis nana E.H. Wilson. Journ. Bot. 68: 120-121. Ap. 1930. no.808.

Two plants are quite dissimilar in field however much alike structurally.

Journ. Dept. Agr. Porto Rico (Rio Piedras)

Ciferri, R.

Phytopathological survey of Santo Domingo 1925-1929. Journ. Dept. Agr. Porto Rico. 14: 1-44. pl.i-ii. Ja. 1930. no.1.

Journ. Ecol. (Cambridge, Engl.)

Oliver, W.R.B.

New Zealand epiphytes. Journ. Ecol. 18: 1-50. illus., pl.i-vii. F.1930. no.1.

Pearson, G. A.

Studies of climate and soil in relation to forest management in the south-western United States. Journ. Ecol. 18: 139-144. diagrs. F.1930. no.1.

Thompson, H. S.

Further changes in the coast vegetation near Berrow, Somerset. Journ. Ecol. 18: 126-130. pl.ix-xi. F.1930. no.1.

Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo.

Miyabe, K. & Kudo, Y.

Flora of Hokkaido and Saghalien. I. Pteridophyta and Gymnospermae. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo. 26: 1-79. pl.i-iii. Mr.1930. no.1.

Yamamoto, Y.

Ein beitrag zur kenntnis der gattung Rhizopus I-Journ. Fac. Hokkaido Imp. Univ. Sapporo. 28: 1-101. 4 pl. (1 fold.) Mr.1930. no.1.

Journ. Hered. (Washington)

Jenkins, M.T.

Heritable characters of maize. XXXIV. Rootless. Journ. Hered. 21: 79-80. illus. F.1930. no.2.

Journ. Hered. (cont.)

Jones, E.T.
Yellow fatuoids in oats. Journn. Hered. 21: 81-82. F.1930. no.2.

Woodroof, J. G.
Abnormalities in pecans. II. Journ. Hered. 21: 90-96. illus. F.1930. no.2.

Yampolsky, C.
Male-female grafts in Mercurialis annua. Journ. Hered. 21: 65-72. illus. F.1930. no.2.

Journ.Pharm. & Chim. (Paris)

Bridel, M. & Charaux, C.
Recherches sur les variations de coloration des plantes au cours de leur dessiccation. - Sur un nouveau chromogène, l'orobérol, retiré de l'Orobus tuberosus L. Journ. Pharm. & Chim. VIII, 11: 321-336. Ap.1,1930. no. 7.

Just. Liebigs Ann. Chem. (Berlin)

Tschitschibabin, A.E., Kirssanow, A. W. & Rudenko, M.G.
Ueber nicht gerbende substanzen aus Baden (Saxifraga crassifolia). II. Arbutin. Just. Liebigs Ann. Chem. 479: 303-306. Ap.23, 1930. no.3.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Gulik, D.van.
Nachtvorst en haar bestrijding. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 42: 156-164. Ap.1930. no.503.

Maine Naturalist. (Augusta, Me.)

Pitman, E.M.
Additional mosses from the vicinity of Winthrop, Maine. Maine Naturalist. 9: 132. D.1929(Rec'd My.1930) no.4.

Matières Grass. (Paris)

Pieraerts, J., Adriaens, J. & Meulenberg, J.
Contributions à l'étude chimique d'une sapotacée arborescente du Congo belge. (concl.) Matières Grass. 22: 8812-8815. 1930. no.264.
Dumoria africana.

Matières Grass. (Paris)

Pieraerts, J., Castagne, E., & Adriaens, L.

Contributions à l'étude chimique des légumineuses oléagineuses du Congo belge. (cont.) Matières Grass. 22: 8810-8812. Ap.15, 1930. no.264.

Adenanthera pavonina.

Mem. Conf. Anual Asoc. Tecn. Azucar. Cuba.

Faris, J. A.

Informe sobre algunas enfermedades memories de la variedad de caña poj 2878 en Cuba. Mem. Conf. Anual Asoc. Técn. Azucar. Cuba. 3: 92-105. illus. 1929.

Priode, C. N.

Observaciones adicionales sobre la enfermedad pokkah-bong de la caña de azucar en Cuba. Mem. Conf. Anual Asoc. Tecn. Azucar. Cuba. 3: 106-114. illus. 1929.

Mem. R. Soc. Españ. Hist. Nat. (Madrid)

Azpeitia Moros, F.

Algunas consideraciones sobre la enigmática diatomea española Campylodiscus surirella Ehrenberg. Mem. R. Soc. Españ. Hist. Nat. 15: 109-118. 1929.

Beltrán, F.

Adiciones a las muscineas de lá provincai de Castellón. Mem. R. Soc. Españ. Hist. Nat. 15: 275-284. illus. 1929.

Caballero, A.

Algunas novedades botánicas de la Real Casa de Campo y de El Pardo. Mem. R. Soc. Españ. Hist. Nat. 15: 309-314. 1929.

Cabrera, A. L.

Tres Conyza tropicales en la ribera argentina del Rio de la Plata. Mem. R. Soc. Españ. Hist. Nat. 15: 419-423. incl.illus. 1929.

Conyza triplinervia, C. arguta, C. rivularis.

Cuatrecasas, J.

Notas micológicas. Mem. R. Soc. Españ. Hist. Nat. 15: 23-30. illus. 1929.

Mem. R. Soc. Españ. Hist. Nat. (cont.)

Fernández Riofrio, B.
Nuevas aportaciones a la micologia española. Mem. R. Soc. Españ. Hist. Nat. 15: 383-388. 1929.

González Guerrero, P.
El Género Spelaeopogon Borzi en España. (Cyanophyceae). Mem. R. Soc. Españ. Hist. Nat. 15: 437-439. incl.pl. 1929.
Spelaeopogon populi, n.sp.

Guinea y López, E.
Novedades de basidiomicetos macroscópicos para la flora española. Mem. R. Soc. Españ. Hist. Nat. 15: 367-374. 1929.

Losa España, M.
Formas nuevas de plantas. Mem. R. Soc. Españ. Hist. Nat. 15: 169-172. illus. 1929.
Rosa manueli, Veronica bolivari, Picris bracteatus, n.spp.

Nolla, J. A.B.
El Acrostalagmus aphidum Oud. en la lucha contra los afididos. Mem. R. Soc. Españ. Hist. Nat. 15: 9-12. illus., pl.iv. 1929.

Paunero Ruiz, E.
Sobre la germinación de las ascosporas de los erisifáceos. Mem. R. Soc. Españ. Hist. Nat. 15: 361-362. illus. 1929.

Rodriguez.Rosillo, A.
La variación de las manchas de los petalos del Papaver rhoeas. Mem. R. Soc. Españ. Hist. Nat. 15: 213-216. illus. 1929.

Rodriguez Sardina, J.
Una nueva especies de Botrytis que ataca a las habas. Mem. R. Soc. Españ. Hist. Nat. 15: 291-295. illus. 1929.
Botrytis fabae.

Unamuno, L.M.
Nuevos datos para el estudio de la flora micologica de los alrededores de Llanes (Asturias). Mem. R. Soc. Españ. Hist. Nat. 16: 345-354. 1929.

Minn. Hort. (Minneapolis)
Spracher, M.L.
Seeds and their behavior in germination.
Minn. Hort. 58: 135-139. illus. My.1930. no.5.

Missouri Bot. Gard. Bull. (St.Louis)
Records of first blooming of wild flowers in the vicinity of St.Louis. Missouri Bot. Gard. Bull. 18: 82-84. Ap.1930. no.4.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Kaltenbach, E.
Tropische ziergehölze als alleebäume. I- Möller's Deut. Gärtn.-Zeit. 45: 125-126. Ap.11,1930. no.11.
I. Caesalpina coriaria.

Mycologia. (Lancaster, Pa.)
Brenckle, J. F.
Fungi dakotenses. Mycologia. 22: 160-161. My./Je. 1930 (My.)
Publication of fasc. 27, Oct.29, (exsiccatae) lists species and gives description of new genus Labridella (L. cornu-cervi) and new species Camarosporium umbonatum.

Jenkins, A.E.
Sphaceloma symphoricarpi. Mycologia. 22: 106-110. pl.14-15. My./Je. 1930 (My.) no.3.

Kern, F.D. & Ciferri, R.
Fungi of Santo Domingo. III Uredinales (cont.) Mycologia. 22: 111-117. My./Je.1930 (My.) no.3.
Aecidium domingensis, n.sp.

Long, W. H.
The dehiscence of Mycenastrum corium. Mycologia. 22: 103-105. pl.13. My./Je. 1930 (My.) no.3.

Seaver, F.J.
Photographs and descriptions of cup fungi. XI. Solenopezia. Mycologia. 22: 122-124. pl.16. My./Je. 1930 (My.) no.3.

Sparrow, F.K.jr.
The non-sexual stage of Aphanomyces phycophilus. Mycologia. 22: 118-121. illus. My./Je. 1930 (My.) no.3.

Mycologia. (cont.)
Zundel, G.L.
Monographic studies on the Ustilaginales attacking Andropogon. Mycologia. 22: 125-158. My./Je. 1930 (My.) no.3.

Nat. Geogr.Mag.
Fairchild, D.
Hunting for plants in the Canary Islands. Nat. Geogr. Mag. 57: 607-652. illus., 24 col. pl. on 12. My.1930. no.5.

Nature. (London)
Stebbing, E. P.
Prof. Augustine Henry. Nature. 125: 606-607. Ap.19,1930. no.3155.

New Flora & Silva. (London)
Denny, F. E.
Chemical stimulation of dormant plants. New Flora & Silva. 2: 154-160. 3 pl. on 2. Ap.1930. no. 3.

Gabrielson, I.N.
Plant-hunting in the Siskiyous. New Flora & Silva. 2: 180-186. 3pl. on 2. Ap.1930. no. 3.

Harrow, R. L.
Notes on Meconopsis. New Flora & Silva. 2: 147-153. 5 pl. on 3. Ap.1930. no.3.

Hay, T.
Meconopsis in winter. New Flora & Silva 2: 167-170. 4 pl. on 2. Ap.1930. no.3.

Johnson, A. T.
Notes on Gaultherias. New Flora & Silva. 2: 161-166. 1 pl. Ap.1930. no.3.

Nyt Mag. Naturvidensk.
Braarud, T.
Den hoiere vegetasjon i Hurdalssjoen. Nyt Mag. Naturvidensk. 67: 1-53. illus. 1929.

Lieungh, F.
En ny form av Phragnites communis Trin. Nyt Mag. Naturfivensk. 67: 137-144. illus. 1929.

Nyt Mag. Naturvidensk. (cont.)

Lynge, B.

Cornicularia divergens Ach. found fertile in Europe. Nyt Mag. Naturvidensk. 67: 131-136. 1929.

Omang, S.O.F.

Sogns hieracier med en orientering i utbredelses- og vandringsforhold. Nyt Mag. Naturvidensk. 67: 231-499. 1929.

Resvoll, T. R.

Rubus chamaemorous L. Nyt Mag. Naturvidensk. 67: 55-129. illus. 1929.

A morphological-biological study.

Ohio Journ. Sci. (Columbus)

McInteer, B. B.

Preliminary report of the algae of Kentucky. Ohio Journ. Sci. 30: 131-142. Mr.1930. no.2.

Schaffner, J.H.

Additions to the catalog of Ohio vascular plants for 1929. Ohio Journ. Sci. 30: 98-108. Mr.1930. no.2.

Stover, W. G.

A popular key to the distinctive groups of the larger fungi. Ohio Journ. Sci. 30: 81-84. Mr. 1930. no.2.

Pan Amer. Mag.

Spencer, M.

The botanical quests of a woman in Latin America. Mrs. Ynes Mexia takes to the field in Brazil. Pan Amer. Mag. 42: 389-391. illus., port. Ap.1930. no. 6.

Pharm. Zeit. (Berlin)

Rosenthaler, L.

Giftige südafrikanische pflanzen. Pharm. Zeit. 75: 481-482. Ap.16, 1930. no.31.

Phytopath.

Bourne, B. A.

The occurrence of the ring-spot disease of sugar cane in Florida. Phytopath. 20: 364-365. Ap. 1930. no.4.

Leptosphaeria sacchari.

Phytopath. (cont.)

Chupp, C.

The effects of potash and phosphorus on tip. burn and mildew of cabbage. Phytopath. 20: 307-318. illus. Ap.1930. no.4.

Fawcett, H. S.

An offshoot and leafstalk disease of date palms due to Diplodia. Phytopath. 20: 339-344. Ap 1930. no.4.

Diplodia similar in size of spores to D. natalensis, probably a different strain from that producing stem-end rot and a type of gummosis of citrus in Florida.

Flor, H. H.

Relation of environmental factors to growth and pathogenicity of Pythium isolated from roots of sugar cane. Phytopath. 20: 319-328. illus. Ap. 1930. no.4.

Experiments also made with corn.

Gratz, L.O.

Disease and climate as pertaining to the Florida and Maine potato sections. Phytopath. 20: 267-288. diagrs. Ap.1930. no.4.

Harvey, R. B.

The relative transpiration rate at infection spots on leaves. Phytopath. 20: 359-362. illus. Ap. 1930. no.4.

Holton, C. S.

A probable explanation of recent epidemics of bunt in durum wheats. Phytopath. 20: 353-357. illus. Ap.1930. no.4.

Jenkins, W. A.

The cherry leaf-spot fungus, Mycosphaerella cerasella Aderh., its morphology and life history. Phytopath. 20: 329-337. illus. Ap.1930. no.4.

Jenkins, A. E.

Insects as possible carriers of the citrus-scab fungus. Phytopath. 20: 345-351. illus. Ap. 1930. no.4.

Phytopath. (cont.)

Muncie, J.H. & Patal, M.K.
Studies upon a bacteriophage specific for Pseudomonas tumefaciens. Phytopath. 20: 289-305. Ap. 1930. no.4.

Steinmetz, F. H.
The control of carnation rust, Uromyces caryophillinus (Schr.) Wint., with sulphur. Phytopath. 20: 363-364. Ap. 1930. no. 4.

Proc. N.Y. State Hort. Soc. (Geneva, N.Y.)

Horsfall, J. G.
Some tomato troubles in the Hudson Valley. Proc.N.Y. State Hort. Soc. 75: 172-174. 1930.

MacDaniels, L.H.
Practical aspects of the pollination problem. Proc. N.Y. State Hort. Soc. 75: 195-202. 1930.

Magness, J. R.
Factors affecting size and color development of apples. Proc. N.Y. State Hort. Soc. 75: 88-95. 1930.

Shear, E.V. jr.
Apple scab control. Proc. N.Y. State Hort. Soc. 75: 163-168. 1930.

Wellington, R.
Pollination of pears and small fruits. Proc. N.Y. State Hort. Soc. 75: 216-220. 1930.

Proc. Agr. & Vitic. (Montpellier)

Ravaz, L.
Quelques observations sur le mildiou et son traitment. Progr. Agr. & Vitic. 47: 369-373. Ap.20,1930. no.16.

Protoplasma. (Leipzig)

Armstrong, J.I.
Hydrogen-ion phenomena in plant tissues. III. The acidity of certain cell walls considered in relation to the higher fatty acids. Protoplasma. 8: 508-521. Ja.1930.

Protoplasma. (cont.)

Bělǎr, K.

Ueber die reversible entmischung des lebenden protoplasmas. Protoplasma. 9: 209-244. illus. pl.4. Mr.1930. no.2.

Guilliermond, A.

Le vacuome des cellules vegetales. Protoplasma. 9: 133-174. illus. F.1930. no.1.

Kovár, L.

On the influence of surface active substances upon the imbibition of plant tissues. Protoplasma. 8: 585-627. illus. Ja.1930. no.4.

I. Imbibition of potato tuber in monovalent alcohols and in chloralhydrate, studies by the auzographic method.

Kurbatov, V. & Glúckmann, S.

The influence of inorganic ions on the properties of seed. Protoplasma. 9: 34-96. illus. F. 1930. no.1.

I. Crystal-polyamphion theory of gels and crystal-polyamphio-emulsoid theory of biological phenomena by Vladimir Kurbatov. II. The changes of the Ph and the Pcl, during the soaking of seeds in solution of a different ion composition. by S.A. Gluckmann.

Lepeschkin, V. W.

My opinion about protoplasm. Protoplasma. 9: 269-297. Mr.1930. no.2.

Sammelreferat.

Pfeiffer, H.

Ueber den mechanismus der abscheidung von SiO_2-gallerten in pflanzenzellen. Protoplasma. 9: 120-127. illus. F.1930. no.1.

Weber, F.

Vakuolen-kontraktion, tropfenbildung und aggregation in stomata-zellen. Protoplasma. 9: 128-132. illus. F. 1930. no.1.

Weber, F.

Vaknolen-kontraktion vital gefarbter Elodea-zellen. Protoplasma. 9: 106-119. illus. F. 1930. no.1.

Protoplasma (cont.)
Wieringa, K. T.
Quantitative permeabilitätsbestimmungen. Protoplasma. 8: 522-584. illus. Ja. 1930. no.4.
Mit einem kritischen uberblick uber die theorien der zellpermeabilitat und die bisherigen untersuchungsmethoden.

Rev. Agr. Ile Maurice. (Maurice)
Sornay, A. de.
Caractéres génésiques de la Big Tana. Rev. Agr. Ile Maurice. 49: 16-17. Ja./F.1930.
Sugar cane.

Rev. Fac. Agron. Univ. La Plata.
Nieves, R.
Investigaciones preliminares sobre la herencia de los caracteres en el trigo I. Rev. Fac. Agron. Univ. La Plata. 18: 359-368. Jl.1929 (Rec'd My 1930) no.3.

Rev. Gén. Bot. (Paris)
Chalaud, G.
Le cycle evolutif de Fossombronia pusilla Dum. (cont.) Rev. Gén. Bot. 42: 219-232. Ap.1930. no.496.

Guilliermond, A.
Recherches ultramicroscopiques sur les cellules végétales. (cont.). Rev. Gén. Bot. 42: 193-204. Ap. 1930. no.496.

Ling-Young, M.
Etude biologique des phénomènes de la sexualite chez les mucorinees (cont.). Rev. Gén. Bot. 42: 205-218. illus. Ap.1930 (contd.) no.496.

Michel-Durand, E.
Recherches physiologiques sur les composés tanniques. (concl.). Rev. Gén. Bot. 42: 233-253. Ap. 1930. no.496.

Rev. Hort. (Paris)
Guillaumin, A.
Les cactées, principales espèces. (cont.) Rev. Hort. 102: 81-82. illus. Ap.15, 1930. no.4.
Rhipsalis.

Rev. Hort. (cont.)

Lesourd, F.

Les plus gros arbres de France. I. Feuillus (cont.). Rev. Hort. 102: 88. Ap.16, 1930. no.4.

Laurus nobilis, Maclura aurantiaca, Betula alba, Cerasus mahaleb, Hippophae rhamnodes.

Lesourd, F.

Seraphin Mottet. Rev. Hort. 102: 73-74. port. Ap.16, 1930. no.4.

Martinet, H.

Charles Arranger. Rev. Hort. 102: 69-70. port. Ap.16, 1930. no.4.

Brief notice of death on p.65.

Vercier, J.

Essai de lutte contre la hernie du chou. Rev. Hort. 102: 86-88. Apr.16, 1930. no.4.

Rhodora. (Boston)

Allen, A. F.

Some Cladoniae from the valley of the Cap Chat river and vicinity, Gaspe Peninsula, Quebec. Rhodora. 32: 91-94. pl.199. My.1930. no.377.

C. invisa sp.nov.

Holm, T.

Leaf-variation in Liquidambar styraciflua L. Rhodora. 32: 95-100. pl.200-210. My. 1930. no.377.

Muenscher, W. C.

Euphorbia esula as a weed in New York state. Rhodora. 32: 100-102. map. My.1930. no.377.

Science. (Lancaster, Pa.)

Gleason, H. A.

A plea for sanity in nomenclature. Science. 71: 458-459. My.2, 1930. no.1844.

Patents on plants. Science. 71(no.1843, Suppl.): xiv. Ap.25,1930.

Also in Science News Letter 17: 258. Ap.26, 1930.

White, P. R.

The banana in early books: fruit or stem? Science. 71: 461-462. My2, 1930. no.1844.

So. Afr. Fruit Grow. (Cape Town)
Putterill, V. A.
The keeping qualities of South African grown Williams' Bon Chretien (Bartlett) pears. So. Afr. Fruit Grow. 17: 61-63. illus. Mr.1930. no.3.

So. African Gard. (Johannesburg)
Bolus, L.
Mesembrianthemum and allied genera. (cont.) So. African Gard. 20: 121. illus. Ap.1930. no.4.
Hereroa tugwelliae, H. cana, Cylindrophyllum tugwelliae.

Bolus, L.
Plants new and noteworthy. (cont.) So. African Gard. 20: 115. illus. Ap.1930. no.4.
Eucomis albomarginata n. sp.

Tijdschr. Plantenz. (Amsterdam)
Doyer, L. C.
Iets over den gezondheitstoestand der zaaizaden in verschillende jaren. Tijdschr. Plantenz. 36: 65-74. Ap.1930. no.4.

Wieringa, K. T.
De vetvlekkenziekte een voor Nederland nieuwe ziekte bij bruine boonen (Phaseolus vulgaris). Tijdschr. Plantenz. 36: 84-87. pl. vii. Ap.1930. no.4.
Phytomonas medicaginis var. phaseolicola.

Torreya.
Benedict, R. C.
Lessons in apples. Torreya. 30: 40-45. illus. pl.3. Mr./Ap. 1930. no.2.

Dodge, B.O.
Material for demonstrating sexuality in the Ascomycetes. Torreya. 30: 35-39. illus., pl.2. Mr./Ap. 1930. no.2.

Wynd, F.L.
A new Ranunculus from Crater Lake, Oregon. Torreya. 30: 52-53. Mr./Ap.1930. no.2.
R. terrestris.

Zenkert, C. A.
Serapias helleborine, in Buffalo and vicinity. Torreya. 30: 46-50. Mr./Ap.1930. no.2.

Trans. Amer. Micros. Soc. (Urbana, Ill.)

Brown, H.J.
The desmids of the southeastern coastal plain region of United States Trans. Amer. Micros. Soc. 49: 97-131. pl.xi-xiv. Ap.1930. no.2.

Watson, J.B.&Tilden, J.E.
The algal genus Schizomeris and the occurrence of Schizomeris leibleinii Kützing in Minnesota. Trans. Amer. Micros. Soc. 49: 160-165. Ap.1930. no.2.

Trans. Illinois State Hort. Soc.

Anderson, H. W.
Disease control in an interplanted peach and apple orchard. Trans. Illinois State Hort. Soc. 63: 462-469. 1929.

Anderson, H. W.
The eradication of the cedar tree. Trans. Illinois State Hort. Soc. 63: 447-451. 1929.

Anderson, H. W. & Thornberry, H. H.
Peach spraying experiments for brown rot and bacterial spot control. Trans. Illinois State Hort. Soc. 63: 129-139. 1929.

Anderson, H. W.
Spraying experiments for disease control -- 1929. (cont.) Trans. Illinois State Hort. Soc. 63: 117-128. 1929.

Thornberry, H. H.
Apple scab in northern Illinois. Trans. Illinois State Hort. Soc. 63:290-301. 1929.

Trav. Inst. Bot. Léo Errera.

Homès, M.
Modifications cytologiques au cours du fonctionnement des organes sécréteurs chez Drosera. Trav. Inst. Bot. Léo Errera. v.2, no.6. 1929.
Reprinted from Mem. Acad. Roy.Belg. Cl. Sci. Coll. 8°.v.10.

Tropenpfl. (Berlin)

Marx, Th.
Kultur und gerbstoffgehalt von Caesalpinia coriaria (dividivi) in Deutsch-Ostafrika. Tropenpfl. 33: 100-105. Mr.1930. no.3.

Trop. Agriculture. West Indies. (Trinidad)

Wallace, G. B.

A coffee-bean disease. Trop. Agriculture. West Indies. 7: 141. My.1930. no.5.

Credited in literature to coffee bug, Antestia lineaticollis. Writer finds fungus of nature of Nematospora and believes Antestia is the spreader.

Wardlaw, C. W.

Banana fruit diseases. Trop. Agriculture West Indies. 7: 115-119. My.1930. no.5.

A review of the literature on fungal diseases of banana fruits.

U.S. Dept. Agr. Plant Dis. Rep.

Dunegan, J. C.

Winter injury to apples. Influence of recent pruning. U.S. Dept. Agr. Plant Dis. Rep. 14: 71-72. My.1, 1930. no.9.

Miller, J. H.

New host for Pleosphaerulina briosiana. U.S. Dept. Agr. Plamt Dis. Rep. 14: 75. My.1, 1930. no.9.

Mimeographed.

On Vicia monantha.

Univ. Oregon Publ. Plant Biol. Ser.

Sanborn, E. I.

Hepaticae and Anthocerotes of western Oregon. Univ. Oregon Publ. Plant Biol. Ser. v.1, no.1. 111 p. illus. o.1929 (Rec'd Mr. 1930)

Klika, J.

Problém rostlinné sukcese v lestnictví (Le problème de la succession végétale en sylviculture) Věstník Ceskosl. Akad. Zeměd. 6: 396-398. Ap.1930.no. 4.

Zeitschr. Pflanzenkr. (Stuttgart)

Tubeuf, C.von.

Biologische bekämpfung des blasenrostes der Weymouthskiefer. Zeitschr. Pflanzenkr. 40: 177-181. Ap. 1930. no.4.

Tubeuf, C.von.

Vererbung tütenförmiger lindenblatter. Zeitschr. Pflanzenkr. 40: 182-183. illus. Ap.1930. no.4.

Zeitschr. Zuckerind. Čechoslovak. Rep.

Neuwirth, F.

Beitrag zur kenntnis der oberflache der rübe. Zeitschr. Zuckerind. Čechoslovak. Rep. 54: 341-349. illus. Ap.11, 1930. no.32.

Der Züchter. (Berlin)

Böhnert, E.

Inzuchtserscheinungen bei gärtnerischen kulturpflanzen. Der Züchter. 2: 191-108. illus. Ap.1930. no.4.

Oehler, E.

Speltoid-und fatuoidmutationen. Der Züchter 2: 93-101. illus. Ap.1930. no.4.

Exper. Stat. Publ.

Laird, A. S.

A study of the root systems of some important sod-forming grasses. Florida Agr. Exp. Stat. Bull. 211. 27 p. illus. F.1930.

Peltier, G.L. & Jensen, J.H.

Alfalfa wilt in Nebraska. Nebraska Agr. Exp. Stat. Bull. 240. 35 p. illus. Ap.1930.

New Books.

Anderson, W. A.

Ferns of Tennessee. Knoxville, 1929 (Univ. of Tennessee record. Extens. Ser. v.6, no.1.)

Barton-Wright, E. C.

Recent advances in plant physiology. London, J. & A. Churchill, 1930.

Soil and water relations - Transpiration, the transpiration current, translocation, root pressure - Carbon assimilation - Nitrogen assimilation - Respiration - The physiology of growth.

Burdett, F. D.

The Odyssey of an orchid hunter. Ed. and annotated by Percy J. King. London, H. Jenkins, 1930.

Camus, A.

Les châtaigniers. Monographie des genres Castanea et Castanopsis. 2 v. (text & atlas of plates) Paris, 1929 (Encylopédie economique de sylviculture III)

New Books (cont.)

Cox, E. H.M.
Wild gardening. London, Dulau, 1929.

Cynberg, D.
1. Recherches sur la catalase. II. Recherches sur la transformation de la matiere chez le Raphanus. Geneve, 1928.

Eriksson, J.
Fungous diseases of plants in agriculture, horticulture and forestry. 2d. ed. transl. from the German by William Goodwin. London, Bailliere, Tindall and Cox, 1930.

Flury, F. & Zangger, H.
Lehrbuch der toxikologie. Berlin, J. Springer, 1928.
Vergiftungen durch alkaloide und pflanzenstoffe von. M. Cloetta.

Gilbert, L.N.
Wild flowers and state flowers of North America. N.Y., G. Sully & Co., 1930.

Gt. Britain. Imperial institute.
Tanning materials of the British Empire. London, 1929.
Articles originally published in the Bulletin of the Imperial institute, 1927 & 1928, revised and brought up-to-date.

Hegi, G.
Alpine flowers, the most common Alpine plants of Switzerland, Austria and Bavaria. Authorized transl. by W.M. Deans. London & Glasgow, Blackie & son, 1930.

Illingworth, J.L.
Notes on gumming disease of sugar cane. Barbados, 1930.

Japan. Bureau of agriculture.
Byo-gai-chu bun-pu cho-sa (Distribution of plant diseases and injurious insects in Japan. v.2, Tokyo, 1929.

New Books (cont.)

Johnson, J.
Breeding tobacco for resistance to Thielavia root rot. U.S. Dept. Agr. Techn. Bull. 175. 20 p. illus. Mr.1930 (Rec'd My.)

Kirkwood, J. E.
Northern Rocky Mountain trees and shrubs. Stanford University, Stanford university press, 1930.
Biographical sketch by M.J. Elrod: p.v-vii.

Korsmo, E.
Unkräuter im ackerbau der neuzeit...nach den Norwegischen manuskripte des verfassers hrsg. von Dr. H. W. Wollenweber. Berlin, J. Springer, 1930.
Transl. of his Ugrese i nutidens jordbruk.

Leclerc, H.
Les épices, plantes condimentaires de la France et des colonies. Paris, Masson et Cie., 1929.

Lecomte, H.
Flore generale de l'Indo-Chine. v.3, fasc. 6. F. 1930.
Stylidiacées, goodeniacées, lobéliacées, campanulacéés par P. Danguy - Vacciniacées, ericacées, par P. Dop - Plumbaginacées par P. Pellegrin - Primulacées par Bonati - Myrsinacées par J. Pitard.

Majumdar, G. P.
Vanaspati, Plants and plant-life as in Indian treatises and traditions. Calcutta, University of Calcutta, 1927.

Mes, M. G.
Fisiologiese siektesimptome van tabak. Baarn, N.V. Hollandia-drukkerij, 1930.

Migula, W.
Kryptogamen-flora. bd. 12, pt.2, Die flechten lfg. 47/48. [1930] (Thomé-Migula Flora von Deutschland, Oesterreich und der Schweiz Abt.II)

New Books. (cont.)

Natürlichen pflanzenfamilien... 2. stark verm. und verb. aufl. hrsg. von A. Engler. bd.15a. Angiospermae: reihen Farinosae, Liliiflorae, Scitamineae redigiert von L.Diels. Leipzig, W. Engelmann, 1930.

Oboussier, J.
Contribution à l'étude du Juglans cinerea. Lyon, Imprimerie Bosc frère & Riou. 1929.

Pearson, H. H. W.
Gnetales. Cambridge, University press, 1929. (Cambridge botanical handbooks)

Percival, J.
Agricultural botany. 7th ed. London, Duckworth, 1926.

Petiteau, S.
Manuel de droguerie-herboristerie. Paris, J.B. Bailliere et fils, 1929.

Ringh, Chr.de.
Vademecum bij het verzamelen en kweeken van cactussen en overige vetplanten. Utrecht, [1929]

Ritchie, J.W., Echavarria, J.P. & Layug, A.B.
Phillipine plant life. A botanical and agricultural reader. N.Y., Silber, Burdett & Co. 1930.

Schirmer, K.
Vom saatbeizen. Freising, F.P. Datterer & Cie., [1927]

Veen, Rutger van der.
Onderzoekingen over tracheomycosen. Baarn, N.V. Hollandia-drukkerij, 1930.
Verticillium alboatrum on tomato, Fusarium conglutinans ver. callistephi on China aster, F. lycopersici, F. vasinfectum, F. oxysporium.

Wilson, E. H.
Aristocrats of the trees. Boston, Stradford company, 1930.

New Books. (cont.)

Wright, W.P.
Everyman's encyclopaedia of gardening. Rev. & enl. ed. London, J.M. Dent; N.Y., Dutton, 1930.

Zimmermann, W.
Die phylogenie der pflanzen. Jena, G. Fischer, 1930.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 12, no. 11. May 12-24, 1930.

JUN 1
U. S. Department of Agriculture

Acta Phytochim. (Tokyo)

Asai, T.

Ueber das vorkommen und die physiologische bedeutung des daphnins bei Daphne odora. Acta Phytochim. 5: 9-21. illus. Ap.1930. no.1.

Nagai, W. & Hattori, S.

Konstitution des primetins. Acta Phytochim. 5: 1-8. illus. Ap.1930. no.1.

Shibata, K. & Tamiya, H.

Untersuchungen uber die bedeutung des cytochroms in der physiologie der zellatmung. Acta Phytochim. 5: 23-97. illus. Ap.1930. no.1.

Addisonia. (New York)

Addisonia. v.15, no.1. col.pl.481-488. Mr.1930.

Hemerocallis forrestii, H. crinita, H. fulva longituba, H. fulva rosea, H. clon Luteola, Gold Dust, Mikado, Waubun.

Agr. Libr. Notes U.S. Dept.Agr.

Warner, M. F.

Sunflower (Helianthus annuus). Agr. Libr. Notes U.S. Dept. Agr. v.5, no.1/3, suppl. 18p. 1930.

Selection of references relating to the sunflower as a crop plant.

Mimeographed.

Amer. Fruit Grow.Mag. (Chicago)

Van Gundia, G.K.

Bentonite-sulphur "sticks to the job". Amer. Fruit Grow. Mag. 5(5): 6, 21. illus. My.1930.

Discovery of fused bentonite-sulphur compounds for control of fungi by H.W. Banks 3rd, discussed.

Amer. Nat.

Emerson, R.

The chlorophyll factors in photosynthesis. Amer.Nat. 64: 252-260. illus. My./Je.1930. no.692

Amer. Potato Journ.

Blodgett, F.M.

Potato seed treatment in New York state. Amer. Potato Journ. 7: 130-136. My.1930. no.5.

Brown, B.A.

Degeneration of potatoes in Connecticut. Amer. Potato Journ. 7: 140-142. My.1930. no.5.

Ann. Missouri Bot. Gard. (St.Louis)

Woodson, R.E.

Studies in the Apocynaceae. I. Ann. Missouri Bot. Gard. 17: 1-212. illus., pl.1-20. F./Ap.1930. no.1/2.

I. A critical study of the Apocynoideae. (With special reference to the genus Apocynum.)

Parts II, III, IIIA. have already appeared.

Ann. Rep. Dept. Agr. Tanganyika. Terr.

Wallace, G.B.

Mycological work. Ann. Rep. Dept. Agr. Tanganyika Terr. 1928/29(2): 35-36. [1930]

Arch. Protistenk. (Jena)

Bauch, R.

Ueber multipolare sexualität bei Ustilago longissima. Arch. Protistenk. 70: 417-466. illus., pl.15. 1930. no.2.

Geitler, L.

Ueber apomyxis bei Mougeotia. Arch. Protistenk. 70: 307-312. illus. 1930. no.2.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Jacob, J.C.s'.

Onderzoekingen over de beschadiging van het heveablad door Oidium heveae. (Microscopical investigations on Hevea mildew). Arch. Rubbercult. Nederl.-Ind. 14: 171-185. illus. Ap.1930. no.4.

English summary: p.184-185.

Vollema, J.S.

Over den invloed van uitwendige omstandigheden op den rui van Hevea brasiliensis. Arch. Rubbercult. Nederl.-Ind. 14: 200-213. Ap.1930. no.4.

English summary: p.212-213.

Influence of external conditions on wintering of Hevea.

Amer. Potato Journ.

Blodgett, F.M.

Potato seed treatment in New York state. Amer. Potato Journ. 7: 130-136. My.1930. no.5.

Brown, B.A.

Degeneration of potatoes in Connecticut. Amer. Potato Journ. 7: 140-142. My.1930. no.5.

Ann. Missouri Bot. Gard. (St.Louis)

Woodson, R.E.

Studies in the Apocynaceae. I. Ann. Missouri Bot. Gard. 17: 1-212. illus., pl.1-20. F./Ap.1930. no.1/2.

I. A critical study of the Apocynoideae. (With special reference to the genus Apocynum.)

Parts II, III, IIIA. have already appeared.

Ann. Rep. Dept. Agr. Tanganyika. Terr.

Wallace, G.B.

Mycological work. Ann. Rep. Dept. Agr. Tanganyika Terr. 1928/29(2): 35-36. [1930]

Arch. Protistenk. (Jena)

Bauch, R.

Ueber multipolare sexualität bei Ustilago longissima. Arch. Protistenk. 70: 417-466. illus., pl.15. 1930. no.2.

Geitler, L.

Ueber apomyxis bei Mougeotia. Arch. Protistenk. 70: 307-312. illus. 1930. no.2.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Jacob, J.C.s'.

Onderzoekingen over de beschadiging van het heveablad door Oidium heveae. (Microscopical investigations on Hevea mildew). Arch. Rubbercult. Nederl.-Ind. 14: 171-185. illus. Ap.1930. no.4.

English summary: p.184-185.

Vollema, J.S.

Over den invloed van uitwendige omstandigheden op den rui van Hevea brasiliensis. Arch. Rubbercult. Nederl.-Ind. 14: 200-213. Ap.1930. no.4.

English summary: p.212-213.

Influence of external conditions on wintering of Hevea.

Arch. Theecult.

Prillwitz, P.M.H.H.

De invloed van zwavelbemesting op de bodemreactie en den groei van thee. (The influence of sulphur on soil-acidity and on the growth of tea). Arch. Theecult. 1930: 69-87. illus. Mr.1930. no.2.

English summary.

"These investigations are important for sulphur-manuring experiments and the treatment of black root disease (Rosellinia)".

Asia. (Concord, N.H.)

Fairchild, D.

Exploring for plants in Ceylon. Asia. 30: 400-405, 451-454. illus. Je.1930. no.6.

Russell, P.

Japanese spring in America. Asia. 30: 315-319, 378. illus. My.1930. no.5.

Japanese cherry

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Roma)

Mezzadroli, G. & Vareton, E.

Azione dei raggi ultravioletti sulla germinazione dei semi e sull'accrescimento delle piante. Atti R. Accad. Naz. Lincei VI, Rend. 1. Sci. Fis. Mat. e Nat. 11: 316-320. F.2,1930. no.3.

Ber. Deut. Bot. Ges. (Berlin)

Němec, B.

Bakterielle wuchsstoffe. Ber. Deut. Bot. Ges. 48: 72-74. Ap.24, 1930. no.3.

Schweizer, G.

Physiologisch-morphologische studien über Funaria hygrometrica L. in reinkultur. Ber. Deut. Bot. Ges. 48: 75-84. illus. Ap. 24, 1930. no.3.

Biol. Gen. (Vienna)

Fischer, M.

Anthozyanführende schliesszellen bei Hyoscyamus. Ein beitrag zur stoffverteilung in epidermis- und schliesszellen. Biol. Gen. 6: 293-318. 1930. no.2.

Biol. Gen. (cont.)

Porsch, O.

Kritische quellenstudien über blumenbesuch durch vögel. V. Biol. Gen. 6: 133-246. illus., pl.xxviii-xxxii. 1930. no.2.

Bot. Arch. (Leipzig)

Dannehl, H.

Ueber die bildung schizogener schleimbehälter bei Ceratozamia und lysigener schleimlücken bei Opuntia. Bot. Arch. 29: 92-121. illus. Mr.1930. no.1/2.

English abstract: p.120.

Härdtl, H.

Ueber den wassergehalt der laubblätter. Bot.Arch. 29: 1-24. illus. Mr. 1930. no.1/2.

English abstract: p.22-24.

Rabinowitz, B.

Pflanzen und ameisen. Bot. Arch. 29: 210-255. Mr.1930. no.1/2.

English abstract: p.253-254.

Protective devices of plants against ants.

Schulz, E.

Beiträge zur physiologischen und phylogenetischen anatomie der vegetativen organe der bromeliaceen. Bot. Arch. 29: 122-209. illus. Mr. 1930. no.1/2.

English abstract: p.208-209.

Storck, A.

Vergleichende untersuchungen über das stickstoffbasen-verhältnis bei leguminosen und gramineen. Bot. Arch. 29: 34-91. illus. Mr. 1930. no.1/2.

English abstract: p.84-85.

Tamamschjan, S.

Zur frage betreffs herkunft der kelchblätter der gruppe der Eryngieae. Bot. Arch. 29: 25-33, incl. illus. Mr.1930. no.1/2.

Bot. Jahrb. Engl. (Leipzig)

Burret, M.

Geonomeae Americanae. (cont.). Bot. Jahrb. Engl. 63: 193-224. Ap.24, 1930. no.3.

Bot. Jahrb. Engl. (cont.)

Limpricht, W.

Die pflanzenwelt der schneegruben in Riesengebirge (phanerogamen und archegoniaten). Bot. Jahrb. Engl. 63(Beibl.142): 1-74. illus. (maps) Ap.20, 1930. no.3.

Bot. Not. (Lund, Sweden)

Arwidsson, Th.

Biologiska och floristiska notiser. (cont.) Bot. Not. 1930: 144-148. 1930. no.2.

Henriksson, J.

Om Corylus avellana. Supplement IV. Bot. Not. 1930: 149-153. illus. 1930. no.2.

Heribert Nilsson, N.

Salix cinereas utbredning och ekologiska betingelser i sydvastra Sverige. Bot. Not. 1930: 129-143. 1930. no.2.

Holmberg, O. R.

Ein unzweifelhafter bastard zwischen Festuca pratensis Huds. und Lolium multifoorum Lam. nachgewiesen. Bot. Not. 1930: 91-94. illus. 1930. no.2.

Festuca subnutans.

Levan, A.

Beitrag zur kenntnis der chromosomen in der gattung Dactylis L. Bot. Not. 1930: 95-104. illus. 1930. no.2.

English summary.

Medelius, S.

P.T. Husnot. Bot. Not. 1930: 157-158. port. 1930. no.2.

Nilsson, G.

Bemerkungen über Cyphelium notarisii (Tul.) Blomb. et Forss. und C. tigillare Ach. Bot. Not. 1930: 105-128. illus., maps. 1930. no.2.

Nilsson, G.

Lolium multiflorum Lam. ♀ x Festuca gigantea Vill.♂ Ein neuer gattungbastard. Bot. Not. 1930: 81-90. illus. 1930. no.2.

Botaniste. (Paris)

Dangeard, P.A.

Observations sur la culture du Gonium sociale dans différents milieux nutritifs liquides ou solides. Botaniste. 22: 80-99. pl.iv-v. Ap. 1930. no.1/2.

Dangeard, P.A.

Recherches sur les iodures, l'iodovolatilisation et les oxydases chez les algues marines. Botaniste. 22: 33-71. illus. Ap.1930. no.1/2.

Dangeard, P.A.

Sur l'existence de deux variétés du Spirogyra fluviatilis Hilse et sur le cytoplasme de ces algues. Botaniste. 22: 15-27. pl.ii-iii. Ap. 1930. no.1/2.

Dangeard, P.

Sur une euglène incolore du groupe de l'Euglena acus (Euglena acus var. pallida nov.var.). Botaniste. 22: 1-12. pl.1. Ap.1930. no.1/2.

[Bull.] Dept. Agr. Straits Settlem. & Feder. Malay States Gen.Ser.

Bunting, B. & Milsum, J.N.

The culture of vegetables in Malaya. [Bull.] Dept. Agr. Straits Settlem. & Feder. Malay States Gen. Ser. no.1. 78 p. xii pl. 1930.

Bull. Econ. Indochine. (Hanoi)

Castagnol, E.M.

Notes sur les essais entrepris pour combattre la maladie des aréquiers du Huong-Khê (Hà-Tinh.) Bull. Econ. Indochine. 33: 40B-53B. 4 pl., fold. map. Ja.1930.

Bull. Hist. Appl. Phys. et Path.

Guilliermond, A.

Culture d'un Saprolegnia en milieux nutritifs additionnés de colorants vitaux. Valeur de la méthode des colorations vitales. Bull. Hist. Appl. Phys. et Path. 7: 97-110. illus. Ap.1930. no.4.

Bull. Jard. Bot. Buitenzorg.
Dakkus, P.M.W.
An alphabetical list of plants cultivated in the Botanic Gardens, Buitenzorg. Bull. Jard. Bot. Buitenzorg. s.3, v.1. 305 p. map. Ja.1930.

Bull. Mens. Soc. Nat. Hort. France. (Paris)
Cayeux, L.
Les cannas modernes et leurs origines. Bull. Mens. Soc.Nat. Hort. France. V,3: 125-129. illus. Mr.1930.

Bull. N.Y. Bot. Gard.
Dodge, B.O.
Report of the plant pathologist, 1929. Bull. N.Y. Bot. Gard. 14: 192-194. My.3, 1930. no.52.

Bull. Ontario Dept.Agr.
Fulmer, H.L.
Insecticides, fungicides and herbicides. Bull. Ontario Dept. Agr. no.351. 75 p. illus. Ap.1930.

Bull. Soc. Sci. Nat. Maroc. (Rabat)
Zaborski, M.
De la présence a Settat du Populus euphratica Oliv. Bull. Soc. Sci. Nat. Maroc. 9: 99-101. Je.30, 1929 (Rec'd My.1930) no.1/6.

Zaborski, M.
Sur l' autoparasitisme foliaire chez Viscum cruciatum Sieb. Bull. Soc. Sci. Nat. Maroc. 9: 96-98. 1 pl. Je.30, 1929 (Rec'd My. 1930) no.1/6.

Bull. Torr. Club.
Campbell, D. H.
The relationships of Paulownia. Bull.Torr. Club. 57: 47-50. illus. Ja.1930. no.1.
Thinks that we should regard Paulownia as slightly aberrant member of Bignoniaceae.

Gleason, H.A.
Studies on the flora of northern South America. XIV. Melastomataceae from Colombia and Ecuador. Bull. Torr. Club. 57: 63-75. Ja. 1930. no.1.

Bull. Torr. Club. (cont.)

Hein, I.

The tetrakaidecahedron in psuedoparenchyma. Bull. Torr. Club. 57: 59-62. pl.3. Ja.1930. no.1.

Illustrated by a sclerotium (not yet identified) from mushroom beds.

Sinnott, E.W.

The morphogenetic relationhsips between cell and organ in the petiole of Acer. Bull. Torr. Club. 57: 1-20. illus. Ja.1930. no.1.

Wodehouse, R.P.

Pollen grains in the identification and classification of plants. V. Haplopappus and other Astereae: the origin of the furrow configurations. Bull. Torrey Club. 57: 21-46. illus., pl.1. Ja.1930. no.1.

Yampolsky, C.

Induced alteration of sex in the male plant of Mercurialis annua. Bull. Torr. Club. 57: 51-58. illus., pl.2. Ja.1930. no.1.

Butler Univ. Bot. Stud. Paper. (Indianapolis)

Fischer, G.W.

A study of fruit diseases occurring in a midwestern market. Butler Univ. Bot. Stud. Paper.8. 1: 105-127. incl. pl.iii-v. Mr.1930. no.3.

La Cellule. (Lierre, Belgium)

Emerson, S.H.

The reduction division in a haploid Oenothera. La Cellule. 39: 157-165. pl. 1929 (Rec'd My.1930) no.2.

Martens, P.

Nouvelle recherches expérimentales sur la cinèse dans la cellule vivante. La Cellule. 39: 167-216. illus. 1929 (Rec'd My.1930). no.2.

Souza Violante, J.M.de.

La parasyndèse dans Balsamina hortensis et Campanula persicifolia. La Cellule. 39: 233-257. iv pl. 1929 (Rec'd My.1930). no.2.

La Cellule. (cont.)

Staner, P.

Préréduction ou postréduction dans Listera ovata R.Br. La Cellule. 39: 217-230. 1 pl. 1929 (Rec'd My.1930). no.2.

Centralbl. Bakt. Abt.II. (Jena)

Janke, A.

Zur bakterien-systematik. Centralbl. Bakt. Abt.II. 80: 481-492. My.6, 1930. no.23/26.

Circ. Coll. Agr. Univ. Alberta.

Henry, A. W.

Disinfection of seed potatoes. Circ. Coll. Agr. Univ. Alberta. no.7. 12 p. illus. Ap.1930.

Circ. Res. Dept. United Fruit Co. (Boston)

Hartman, A.N.

Banana growth and fruiting, a popular summary. Circ. Res. Dept. United Fruit Co. no.11. 37 p. illus. Mr.1930.

Compt. Rend. Acad. Agr. France. (Paris)

Roux, E.

Sur les relations qui existent entre quelques facteurs climatériques et la végétation de la vigne. Compt. Rend. Acad. Agr. France. 16: 509-513. 1930. no.14.

Roux, E.

Sur une relation existant entre les trois facteurs climatiques: eau, chaleur, lumière et le rendement des blés. Compt.Rend. Acad. Agr. France. 16: 513-520. 1930. no.14.

Schribaux, A.

Valeur de différents composés cupriques essayés au point de vue de l'action anticryptogamique via-a-vis de la spore de la carie. Compt. Rend. Acad. Agr. France. 16: 529-534. 1930. no.14.

Compt. Rend. Acad. Sci. Paris.

Bertrand, G. & Rosenblatt, M.

Sur les proportions de potassium et de sodium contenues dans les plantes qui croissent en eau saumâtre ou sur le bord de la mer. Compt. Rend. Acad. Sci. Paris. 190: 985-988. Ap.28, 1930. no.17.

Compt. Rend. Acad. Sci. Paris.(cont.)

George, L.

Sur les Ephedra nebrodensis Tineo de l'Afrique du nord. Compt. Rend. Acad. Sci. Paris. 190: 1066-1068. My.5, 1930. no.18.

Guillaume, A.

Migration des alcaloïdes au cours de la germination des graines et de la formation des plantules: recherches sur Lupinus mutabilis, var. cruiskanks. Compt. Rend.Acad. Sci. Paris. 190: 1068-1070. My.5, 1930. no.18.

Compt. Rend. Soc. Biol. Paris.

Bensaude, M.

L'Helminthosporium tetramera McK. sur blé a Angola. Compt. Rend. Soc. Biol. Paris. 103: 1265-1266. My.1,1930. no.14.

Dusi, H.

Les limites de la concentration en ions H pour la culture d'Euglena gracilis, Klebs. Compt. Rend. Soc. Biol. Paris. 103: 1184-1185. My.1, 1930. no.14.

Fernandes, A.

Observations anatomiques et cytologiques sur Narcissus bulbocodium L. Compt. Rend. Soc. Biol. Paris. 103: 1267-1269. illus. My.1, 1930. no.14.

Goncalves da Cunha, A.

Sur l'activité caryocinétique dans quelques cellules vegetales. Compt. Rend. Soc. Biol. Paris. 103: 1264. My.1, 1930. no.14.

Simonet, M.

Nouvelles recherches sur le nombre des chromosomes chez les Iris et sur l'existence de mitoses didiploides dans ce genre. Compt. Rend. Soc. Biol. Paris. 103: 1197-1200. illus. My.1, 1930. no.14.

Contr. Gray Herb. (Boston)

Smith, L.B.

Studies in the Bromeliaceae I. Contr. Gray Herb. 89. 86 p. v pl. Ap.17,1930.

1. Notes preliminary to a revision of the Bromeliaceae. 2. Synopsis of the tribe Tillandsieae. Pt. 1, being a revision of Tillandsie section pseudo-catopsis. 3. The Bromeliaceae of British Guiana.

Contr. Gray Herb. (cont.)
Steward, A.N.
The Polygoneae of eastern Asia. Contr. Gray Herb. 88. 120 p. iv pl. Ap.17, 1930.

Contr. Labor. Bot. Univ. Montreal.
Marie-Victorin, F.
Les liliiflores du Quebec. Liliacées, pontédériacees, iridacées, joncacées. Contr. Labor. Bot. Univ. Montreal. no.14. 202 p. illus. 1929.

Cornell Rur. School Leafl. (Ithaca)
Gordon, E.L. & Kellogg, P.
The flowers of woody plants. Cornell Rur. School Leafl. v.23, no.4. 47 p. illus., 8 pl. on 5. Mr.1930.

Desert. (Pasadena)
Walther, E.
Sedum. (cont.). Desert. (Pasadena). 2: 6-7. illus. My.1930. no.1.

Deut. Landw. Presse. (Berlin)
Miller, K. R.
Ueber das auftreten der Typhulafäule en wintergerste und -roggen in der Proving Sachsen. Deut. Landw. Presse. 57: 234. illus. Ap.26, 1930. no.17.

Explor. & Field-work. Smithson. Inst.
Killip, E.P.
Botanical exploration in Amazonian Peru and Brazil. Explor. & Field-work Smithson. Inst. 1929: 119-128. illus. 1930.

Leonard, E. C.
Botanical exploration of northwestern Haiti. Explor. & Field-work Smithson. Inst. 1929: 129-136. illus. 1930.

Faserforsch. (Leipzig)
Lauche, A.
Der schwammkork des katjeputbaumes, Melaleuca leucadendron L. Faserforsch. 8: 222-225. illus. 1930. no.3.

Faserforsch. (cont.)

Lauche, A.
Die wirkung des lichtentzugs auf den flachsstengel. Faserforsch. 8: 215-219. illus. 1930. no.3.

Niethammer, A.
Ueber chemische reizwirkungen an den früchtchen von Cannabis sativa und den samen von Linum usitassimum. Faserforsch. 8: 213-215. 1930. no.3.

Tobler, F.
Zur näheren kenntnis "müden" flachses. Faserforsch. 8: 219-220. illus. 1930. no.3.

Flor. Rev. (Chicago)

Chadwick, L.C.
Studies in propagation. (cont.) Thuja propagation. Flor. Rev. 66(1693): 25-26. illus. My.8, 1930.

Gard. Chron. (London)

Friend, H.
Horticulture in relation to commerce. VI. China's gifts to the world. (cont.) Gard. Chron. III, 87: 348. My.3, 1930. no.2262.

Grove, A.
The propagation of the lily. Gard. Chron. III, 87: 368-369. illus. My.10, 1930. no.2263.

Ingram, C.
A botanical treasure hunt. Gard. Chron. III, 87: 369-370. illus. My.10, 1930. no.2263.
Corsica.

Ingram, C.
Prunus subhirtella. Gard. Chron. III, 87: 349. illus. My.3, 1930. no.2262.

The naming of plants. Gard. Chron. III, 87: 339. My.3, 1930. no.2262.

Smith, E. H.
Control of club root and root maggot. Gard. Chron. III, 87: 371-372. illus. My.10, 1930. no.2263.

Gard. Chron. (cont.)

Taylor, G. M.

The tragedy of the lily. Gard. Chron. III, 87: 367. My.10, 1930. no.2263.

Barbarous method of handling the bulbs that are imported into England; cultural recommendations that are supplied to growers in catalogues and in gardening magazines.

Gartenbauwiss. (Berlin)

Hahmann, C.

Fehlschläge in der maiblumentreiberei 1929/30. Gartenbauwiss. 3: 244-258. illus. Ap.24, 1930. no.3.

Kamenický, K.

Der uberblick der frostschaden an obstbäumen in der Tschechoslowakei. Gartenbauwiss. 3: 273-276. Ap.24, 1930. no.3.

Passecker, F.

Kann man aus der keimfähigkeit des pollens in zuckerlösung auf dessen tauglichkeit zur befruchtung schliessen? Gartenbauwiss. 3: 201-236. Ap.24, 1930. no.3.

Riede, W.

Cytologisch-genetische studien an Petunia. Gartenbauwiss. 3: 185-200. illus. Ap.24, 1930. no.3.

Wagner, P.

Untersuchungen uber den nährstoffverbrauch und den verlauf der nahrungsaufnahme verscheidener gemusearten. Gartenbauwiss. 3: 237-243. Ap.24, 1930. no.3.

Gartenw. (Berlin)

Pape, H.

Aetzschaden an fliedersämlingen. Gartenw. 34: 232. illus. Ap.25, 1930. no.17.

Fertilizer injury (Saltpeter and liquid manure)

Gartenw. (cont.)

Troitzsch, O.

Mittel gegen cinerarien-mehltau. Gartenw. 34: 231. illus. Ap.25, 1930. no.17.

No organism given.

Hadar. (Palestine Citrogr.) (Jaffa)

Fawcett, H. S.

Citrus diseases in Palestine. Hadar (Palestine Citrogr.) 111: 83-85. Ap.1930. no.4.

Hedwigia. (Dresden)

Krieger, W.

Algenassoziationen von den Azoren und aus Kamerun. Hedwigia. 70: 140-154. pl.iv-vi. Mr. 1930. no.1/2.

Pilát, A.

Monographie der europäischen stereaceen. Hedwigia. 70: 10-132. illus., pl.i-iii. Mr. 1930. no.1/2.

Roberg, M.

Zwei bisher unbekannte aspergillen. Hedwigia. 70: 137-139. Mr.1930. no.1/2.

Aspergillus aureoglaucus, Aspergillus amoenus, n.spp.

Schulz-Kirth, K.

E.A. Vainio. Hedwigia. 70: 1-9. port. Mr. 1930. no.1/2.

Torka, V.

Gomphonema augur Ehrbg. und Gomphonema parvulum Ktg. Hedwigia. 70: 133-136. illus. Mr.1930. no.1/2.

Hilgardia. (Berkeley, Cal.)

Esau, K.

Studies of the breeding of sugar beets for resistance to curly top. Hilgardia. 4: 415-440. illus., 1 pl. Ap.1930 (Rec'd My.) no.14.

Industr. Saccarifera Ital. (Genova)

Gabotto, L. & Fairpont, F.

I risultati della lotta contro la Cercospora della bietola da zucchero ottenuti nell'Allesandrino durante la campagna 1929. Industr. Saccarifera Ital. 23: 110-115. Mr.1930. no.3.

Munerati, O.

Osservazioni sulla durata del ciclo della barbabietola. Industr. Saccarifera Ital. 23: 109-110. illus. Mr.1930. no.3.

Izv. Irkutsk. Stan. Zashch. Rast. ot Vred.(Bull. Irkutsk. Plant. Prot. Stat.)

Bryzgalov, V.A.

... Unkrautvegetation der felder des Irkutsker kreises. Izv. Irkutsk. Stan. Zashch. Rast. ot Vred. (Bull. Irkutsk. Plant. Prot. Stat.) 2:126-149. 1930.

Russian with German summary.

Jahrb. Wiss. Bot. (Leipzig)

Håkansson, A.

Die chromosomenreduktion bei einigen mutanten und bastarden von Oenothera lamarckiana. Jahrb. Wiss. Bot. 72: 385-402. illus. Ap.1930. no.3.

Kamp, H.

Untersuchungen über kutikularbau und kutikuläre transpiration von blattern. Jahrb. Wiss. Bot. 72: 403-465. illus. Ap.1930. no.3.

Roberg, M.

Ein beitrag zur stoffwechselphysiologie der grünalgen. Jahrb. Wiss. Bot. 72: 369-384. Ap.1930. no.3.

Simon, S.V. & Lowig, F.

Zur zytologie der gattung Torenia sowie einiger mutanten von T.fournieri. Jahrb. Wiss. Bot. 72: 466-511. illus. Ap.1930. no.3.

Japanese Journ. Bot. (Tokyo)

Asai, T.

Ueber den ursprung des dreigliedrigen quirls von Gardenia jasminoides, Ellis. Japan. Journ. Bot. 5: 27-34. illus. 1930. no.1.

Hiura, M.

Biologic forms of Albugo candida(Pers.) Kuntze on some cruciferous plants. Japan. Journ. Bot. 5: 1-20. 1930. no.1.

Kusano, S.

The life-history and physiology of Synchytrium fulgens Schroet., with special reference to its sexuality. Japan. Journ. Bot. 5: 35-132. illus. 1930. no.1.

Togashi, K. & Onuma, F.

A new species of Urocystis on Convallaria majalis L. Japan. Journ. Bot. 5: 21-26. illus. 1930. no.1.

Urocystis miyabeana.

Journ. Agr. Res. (Washington)

Demaree, J.B. & Cole, J.R.

Pecan leaf blotch. Journ. Agr.Res. 40: 777-789. illus. My.1, 1930 (My.9). no.9.

Mycosphaerella dendroides emended description.

Eaton, F.M.

Cell-sap concentration and transpiration as related to age and development of cotton leaves. Journ. Agr. Res. 40: 791-803. illus. My.1, 1930. (My.9) no.9.

Stewart, R. T.

Inheritance of certain seed-cost colors in soybeans. Journ. Agr. Res. 40: 829-854. My.1,1930. (My.9) no.9.

Waterman, A.M.

Disaster of rose caused by species of Coniothyrium in the United States. Journ. Agr. Res. 40: 805-827. illus. My.1, 1930 (My.9) no.9.

Brand-canker caused by C. wernsdorffiae, stem and graft cankers by C. fuckelii.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Cook, R.L.
Effect of soil type and fertilizer on the nitrate content of the expressed sap and the total nitrogen content of the tissue of the small grains. Journ. Amer. Soc. Agron. 22: 393-408. My. 1930. no.5.

Harper, H.J.
The use of sodium chlorate in the control of Johnson grass. Journ. Amer. Soc. Agron. 22: 417-422. illus. My.1930. no.5.

Hulbert, H.W., Remsberg, J.D. & Spence, H.L.
Controlling perennial weeds with chlorates. Journ. Amer. Soc. Agron. 22: 423-433. My.1930. no.5.

McCool, M.M. & Weldon, M.D.
The effect of sodium nitrate on the composition of the expressed sap of the small grains. Journ. Amer. Soc. Agron. 22: 434-437. My.1930. no.5.

Shull, C. A.
Absorption of water by plants and the forces involved. Journ. Amer. Soc. Agron. 22: 459-471. My.1930. no.5.

Swanson, A.F. & Getty, R.E.
Chemical seed treatments for sorghums. Journ. Amer. Soc. Agron. 22: 472-475. My.1930. no.5.

Veatch, C.
Vigor in soybeans in relation to inhibition of pubescence. Journ. Amer. Soc. Agron. 22: 446-452. My.1930. no.5.

Wilson, H.K.
Plant characters as indices in relation to the ability of corn strains to withstand lodging. Journ. Amer.Soc. Agron. 22: 453-458. illus. My. 1930. no.5.

Journ. Bacteriol.

Corbet, A. S.

An organism found in the latex of Hevea brasiliensis. Journ. Bacteriol. 19: 321-326. My.1930. no.5.

Bacillus pandora.

Journ. Dept. Agr. West. Austral. (Perth)

Gardner, C. A.

The blue pimpernel (Anagallis femina Mill.) Journ. Dept. Agr. West. Austral. II, 7: 104-106. illus. Mr.1930. no.1.

Gardner, C. A.

Enumeratio plantarum australiae occidentalis. A systematic census of the plants occurring in Western Australia. Journ. Dept. Agr. West. Austral. s.2, v.7, app. iii, 1-34 p. Mr.1930. no.1.

Pittman, H. A.

Some parasitic and non-parasitic causes of "empty" or "tipped" heads in wheat. Journ. Dept. Agr. West. Austral. II, 7: 153-165. illus. Mr.1930. no.1.

West, E. R.

Interim report on the protection of young citrus trees from frost. Journ. Dept. Agr. West. Australia. II, 7: 141-145. Mr.1930. no.1.

Journ. Linn. Soc. Bot. (London)

Bose, S. R.

Biology of wood-rotting fungi common in forest areas. Journ. Linn. Soc. Bot. 48: 417-438. illus., pl.22-25. Ap.24, 1930. no.323.

Summerhayes, V. S.

A revision of the Australian species of Frankenia. Journ. Linn. Soc. Bot. 48: 337-387. illus., pl.16-19. Ap.24, 1930. no.323.

Thomas, H. H.

Further observations on the cuticle structure of Mesozoic cycadean fronds. Journ. Linn. Soc. Bot. 48: 389-414. illus., pl.20-21. Ap.24, 1930. no.323.

Journ. Min. Agr. Gt. Brit. (London)

Whitehead, T. & Currie, J.F.

Potato leaf-roll. Development of secondary symptoms in the year of infection. Journ.Min. Agr. Gt. Brit. 37: 159-163. 3 pl. My.1930. no.2.

Journ. N. Y. Bot. Gard.

Gleason, H.A. & Smith, A.C.

Methods of preserving and arranging herbarium specimens. Journ. N.Y. Bot. Gard. 31: 112-125. illus. My.1930. no.365.

Journ. Pharm. & Chim. (Paris)

Bridel, M. & Charaux, C.

L'oroboside, nouveau glucoside hydrolysable par l'émulsine, retiré de l'Orobus tuberosus L. Journ. Pharm. & Chim. VIII, 11: 369-379. Ap.16, 1930. no.8.

Journ. Roy. Hort. Soc. (London)

Alexander, H.G.

Orchid growing for beginners. Journ. Roy. Hort. Soc. 55: 72-78. Ja.1930 (Rec'd My.) no.1.

Moore, F. W.

Wall plants. Journ. Roy. Hort. Soc. 55: 53-63. Ja.1930 (Rec'd My.) no.1.

Tincker, M.A.H.

Some experiments with ultra-violet ray glasses. Journ. Roy. Hort. Soc. 55: 79-87. Ja.1930 (Rec'd My.) no.1.

Warburg, O. & Warburg, E.F.

A preliminary study of the genus Cistus. Journ. Roy. Hort. Soc. 55: 1-52. illus. Ja.1930. (Rec'd My.) no.1.

Wilson, G.F.

Further investigations on the eelworm disease of phloxes. Journ. Roy. Hort. Soc. 55: 88-100. illus., 10 pl. on 5. Ja.1930 (Rec'd My.) no.1.

Tylenchus dipsaci.

Journ. Roy.Hort. Soc. (cont.)
Williams, A.H.
New Zealand plants and their difficulties. Journ. Roy. Hort. Soc. 55: 101-113. illus., 10 pl. on 5. Ja.1930 (Rec'd My.) no.1.

Journ. Washington Acad. Sci.
Williams, R. S.
Haitian mosses collected by E.C. Leonard. Journ. Washington Acad. Sci. 20: 173-180, incl. 2 pl. My.19, 1930. no.10.
Bryum leonardi, Renauldia subpilifera, Pilosium serrulatum, n.spp.

Julk. Suomalaisen Eläin- & Kasvit. Seuran Vanaomon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo)
Györffy, I.
Monstruoses sporophyton von Tetraplodon bryoïdes aus Suomi. Julk. Suomalaisen Eläin- & Kasvit. Seuran Vanamon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 299-319. pl. i-iii. 1929 (Rec'd My.1930).

Pesola, V.A.
Kalsiumkarbonaatti kasvimaantieteellisena tekijänä Suomessa. (Calcium carbonate as a factor in the distribution of plants in Finland). Julk. Suomalaisen. Eläin- & Kasvit. Seuran Vanamon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 1-246. illus. (map) 28 pl. on 14. 1929 (Rec'd My.1930)
English summary: p.236-246.

Rainio, A. J.
Abnormitäten bei Taraxacum. Julk. Suomalaisen Eläin- & Kasvit. Seuran Vanamon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 247-250. illus. 1929. (Rec'd My 1930)

Rainio, A.J.
Polygonum lapathifolium Ait., eine neue wirtpflanze von Puccinia polygoni-amphibii. Julk. Suomalaisen Eläin- & Kasvit. Seuran Vanamon. (Ann. Soc. Zool.-Bot. Fenn.Vanamo) 9: 250-255. 1929. (Rec'd My.1930)

Julk. Suomalaisen Eläin- & Kasvit. Seuran Vanamon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo) (cont.)

Rainio, A.J.

Ueber die intersexualität bei der gattung Papaver. Julk. Suomalaisen. Eläin- & Kasvit. Seuran Vanamon (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 258-285. illus. 1929 (Rec'd My.1930)

Rainio, A.J.

Wurzelkropfgalle bei der roten rübe. Julk. Suomalaisen Eläin- & Kasvit. Seuran Vanamon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 255-257. illus. 1929 (Rec'd My.1930).

Roivainen, H.

Lisätietoja eräiden lehtisammallajien esiintymisestä maassamme. (Angaben über das vorkommen einiger laubmoosarten in Finnland). Julk. Suomalaisen Eläin- & Kasvit. Seuran. Vanamon. (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 286-297. 1929 (Rec'd My.1930).

German summary: p.296-297.

Vainio, E. A.

Duae species Placodio gilvo (Hoffm.) Vain. affines. Julk. Suomalaisen Elain- & Kasvit. Seuran Vanamon (Ann. Soc. Zool.-Bot. Fenn. Vanamo) 9: 320-321. 1929 (Rec'd My.1930).

P. sorocarpum, P.turkuense.

Kolloidchem. Beih.

Kavčič, J.

Studien über pflanzenkolloide. XXV. Ueber kartoffelstärke aus verschiedenen varietäten von Solanum tuberosum. Kolloidchem. Beih. 30: 406-415. Ap.15, 1930. no.8/12.

Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. (Buitenzorg)

Muller, H. R. A.

De verschijnselen der topsterfte en instervingsziekte van koffie (Top-disease and dieback of coffee-trees). Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indie. 5: 579-583. 2 pl. on 1. Ja.1930. extra no.

English summary.

Reprinted as Korte Meded. Inst. Plantenz. Buitenz. no.12.

Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. (cont.)

Toxopeus, H.J.

De gomziekte in djeroek manis (Citrus sinensis Osbeck) en hare bestrijding. (Gummosis of djeruk manis (Citrus sinensis Osbeck.) Preventive culture measures and curative treatment. Landbouw Tijdschr. Vereen. Landb. Nederl.-Indië. 5: 587-592. 1 pl. Ja.1930. extra no.

English summary.

Phytophthora parasitica.

Reprinted as Korte Meded. Inst. Plantenz. Buitenz. no.13.

Mat. Természett. Értesitö Magyar Tud. Akad. (Budapest)

Boros, A.

A nyírség flórája és növényföldrajza. (Die flora und die pflanzengeographischen verhältnisse des nyírség). Mat. Természett. Értesitö Magyar. Tud. Akad. 46: 48-59. 1929 (Rec'd 1930)

German summary: p.54-59.

Greguss, P.

A Bryonia dioica és a Gingko biloba leveleinek sexuális dimorphizmusa. (Sexual-dimorphismus der blätter von Bryonia dioica und Gingko biloba). Mat. Természett. Értesitö Magyar Tud. Akad. 46: 625-631. illus. 1929 (Rec'd 1930)

German summary: p.629-631.

Greguss, P.

A Melandrium album pollentömlöinek hosszúsága. és a nemiség determinációja közötti összefüggés. (Die pollenschlauchlänge von Melandrium album und ihre geschlechtsbestimmung). Mat. Természett. Értesitö Magyar Tud. Akad. 46: 615-624. 1929. (Rec'd 1930).

German summary: p.621-624.

Soó, R.

Kisérleti ökológiai tanulmányok a Balaton vidékén. (Experimental-ökologische studien am Balaton). Mat. Természett. Értesitö Magyar Tud. Akad. 46: 602-614. illus. 1929 (Rec'd 1930).

German summary: p.613-614.

Meded. Proefst. Vorstenl. Tabak. Java.

Tollenaar, D.

Onderzoekingen over de ontwikkeling van het wortelstelsel van tabak onder verschillende omstandigheden (tevens bezien in verband met cultuurmaatregelen en brandbaarheid). (Investigations on root development of Vorstenladen tobacco under different conditions (with reference to practical measures and fireholding capacity). Meded. Proefst. Vorstenl. Takab. Java. no.65. 47 p. illus., 10 pl. on 5. 1930

English summary: p.42-47.

Meld. Norges. Landbruks. (Oslo)

Jørstad, I.& Traaen, A.E.

Kornavsopningsforsøk med kjemikalier i årene 1925-1929 (Seed grain treatment experiments with disinfectants in the years 1925-1929). Meld. Norges Landbruks. 10: 1-50. 1930. no.1.

English summary.

Jørstad, I. & Traaen, A.E.

Varmtvannsavsopning av bygg. (The hot water treatment against covered smut of barley). Meld. Norges Landbruks. 10: 51-56. 1930. no.1.

English summary.

Missouri Bot.Gard. Bull. (St. Louis)

Records of first blooming of wild flowers in the vicinity of Saint Louis. Missouri Bot. Gard. Bull. 18: 82-84. Ap.1930 (Rec'd My.)

Möller's Deut. Gartn.-Zeit. (Erfurt)

Kaltenbach, E.

Calophyllum inophyllum. Tropische ziergehölze als alleebaume II. Möller's Deut. Gartn.-Zeit. 45: 142. Ap.21, 1930. no.12.

Nature. (London)

Kirkpatrick, T. W.

Leaf-curl in cotton. Nature. 125: 672. My.3, 1930. no.3157.

In Gezira area, Sudan, leaf-curl transmitted by an undetermined species of Aleurodidae (white-flies)

Nature (cont.)

Prof. I.P. Borodin. Nature. 125: 678. My.3, 1930. no.3157.

Notice of death.

Nature Mag. (Washington)

Gregory, C. T.

Curing iris troubles. Nature Mag. 15: 377-378. illus. Je. 1930. no.6.

Hansen, A.A.

Cancer root. Nature Mag. 15: 378. illus. Je. 1930. no.6.

Conopholis.

Nat. Canad. (Quebec)

Caron, O.

Les bactériophages. Nat. Canad. 57: 105-109. My. 1930. no.5.

Robitaille, A.

Végétaux ligneux et frutescents de la région de Québec. (cont.). Nat. Canad. 57: 97-104. My. 1930. no.5.

Rousseau, J.

Notes sur les mouvements périodiques de quelques plantes. Nat. Canad. 57: 109-115. My.1930. no.5.

Naturforsch. (Berlin)

Buxbaum, F.

Heimat und körperform der kakteen. Naturforsch. 7: 48-53. My. 1930. no.2.

Lipps, W.

Bewegungsveränderung bei pflanzen durch vertauschung des kopfes. Naturforsch. 7: 70-71. My. 1930. no.2.

Mothes, K.

Ueber ein vorkommen der mistel auf eichen. Naturforsch. 7: 69-70. My.1930. no.2.

Viscum album.

Naturwissensch. (Berlin)

Schmorl, K.

Getreidechemie. Naturwissensch. 18: 413-417. My.9,1930. no. 19.

Wislicenus, H.

Der kolloidchemische aufbau des holzes. Naturwissensch. 18: 387-392. My.2, 1930. no.18.

N.Y. State Coll. For. Techn. Publ. (Syracuse)

Bray, W.L.

The development of the vegetation of New York State. 2d ed. N.Y. State Coll. For. Techn. Publ. 29, 189 p. illus. Mr.1930 (Rec'd My.)

Nuovo Giorn. Bot. Ital. (Firenze)

Chiarugi, A. & Francini, E.

Apomissia in "Ochna serrulata" Walp. Nuovo Giorn. Bot. Ital. n.s., 37: 1-250. illus., pl. i-xvii. 1930. no.1.

Mameli-Calvino, E.

Pugillo di licheni dell'Abissinia e dell'Eritrea. Nuovo Giorn. Bot. Ital. n.s., 37: 255-258. 1930. no.1.

Pampanini, R.

Sesto contributo alla conoscenza dell' "Artemisia verlotorum" Lamotte. Nuovo Giron. Bot. Ital. n.s., 37: 262-267. illus. 1930. no.1.

Passerini, N.

Sulla disseminazione della "Posidonia oceanica" Del. Nuovo Giorn. Bot. Ital. n.s., 37: 259. 1930. no.1.

Trotter, A.

La nomenclatura nel prossimo Congresso botanico internazionale. (Cambridge 1930). Nuovo Giorn. Bot. Ital. n.s., 37: 251-254. 1930. no.1.

Zodda, G.

Pugillo di briofite Abruzzesi. Nuovo Giorn. Bot. Ital. n.s.,37: 260-261. 1930. no.1.

Planta Arch. Wiss. Bot.(Berlin)

Czaja, A. T.

Ueber das verhalten der membranen von pflanzenhaaren zu organischen farbstoffen. Planta Arch. Wiss. Bot. 10: 424-455. illus. Ap.17, 1930. no.3.

Hoffmann, K.M.

Beitrage zur cytologie der orchidaceen. Planta Arch. Wiss. Bot. 10: 523-595. illus. Ap.17, 1930. no.3.

Köhler, E.

Zur kenntnis der vegetativen anastomosen der pilze. II. Planta Arch. Wiss. Bot. 10: 495-522. illus. Ap.17, 1930. no.3.

Köhnlein, E.

Untersuchungen über die hohe des wurzelwiderstandes und die bedeutung aktiver wurzeltätigkeit fur die wasserversorgung der pflanzen. Planta Arch. Wiss. Bot. 10: 381-423. Ap.17, 1930. no.3.

Ullrich, H.

Aufkleben von parafffinschnitten mit ammoniakhaltiger wasserglaslösung. Planta Arch. Wiss. Bot. 10: 596. Ap.17, 1930. no.3.

Wesendonck, J.

Ueber sekundäre geschlechtsmerkmale bei Phycomyces blakesleeanus Bgff. Planta Arch. Wiss. Bot. 10: 456-494. diagrs. Ap.17, 1930. no.3.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising)

Böning, K.

Krankheiten, schädlinge und witterungsschaden am tabak im jahre 1929. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 27-38. My.1930. no.2.

Zehentner, M.

Zur magnesiaversorgung der pflanze. (concl.) Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 38-43. My.1930. no.2.

Proc. Indian Sci. Congr.
Mehta, K. G.
The annual recurrence of rusts on wheat in India. Proc. Indian Sci. Congr. 16(1929): 199-223. 1929. (Rec'd 1930)

Proc. K. Akad. Wetensch. Amsterdam.
Bünning, E.
Ueber die reizbewegungen der staubblätter von Sparmannia africana. Proc. K. Akad. Wetensch. Amsterdam. 33: 284-294. illus. 1930. no.3.

Florschütz, F.
Fossiele overblijfselen van een toendra-vegetatie in Nederland. (Fossile reste einer tundra-vegetation in den Niederlanden). Proc. K. Akad. Wetensch. Amsterdam. 33: 137-138. 1930. no.2.
German summary.

Proc. Roy. Phil. Soc. Glasgow.
Drummond, J.M.F.
Some pioneers of botanical discovery. Proc. Roy. Phil. Soc. Glasgow. 57: 39-44. 1929 (Rec'd 1930.)

Proc. State Hort. Assoc. Pennsylvania. (Harrisburg)
Kirby, R.S.
Factors influencing apple disease control. Proc. State Hort, Assoc. Penn. 71(1930): 107-111. 1930.

McCubbin, W. A.
Cedar rust control. Proc. State Hort. Assoc. Penn. 71(1930): 101-106. 1930.

McCubbin, W.A.
Peach yellows report 1929. Proc. State Hort. Assoc. Penn. 71(1930): 113-115. 1930.

Rep. Dept. Sci. & Agr. Barbados.
Wiles, D.R.D.
Report of the plant disease inspector for the year 1928-29. Rep. Dept. Sci. & Agr. Barbados. 1928/29: 85-88. 1930.

Rev. Bot. Appl. (Paris)
Aubreville, A.
Essai d'identification des méliacées de la Côte d'Ivoire. (concl.) Act. Compt. Rend. Assoc. Colon.-Sci. 6: 92-99. Ap.1930 (with Rev. Bot. Appl. v.10, no.104)

Rev. Bot. Appl. (cont.)

Doubiansky, W.

Les psammophytes des déserts du Turkestan et leur rôle dans l'évolution des dunes. (concl.) Rev. Bot. Appl. 10: 232-244. illus. Ap.1930. no.104.

Dusseau, A.Mlle.

Etude biométrique du grain de blé. Rev.Bot. Appl. 10: 215-218. Ap.1930. no.104.

Walker, A.

Plantes oléifères du Gabon. Rev. Bot. Appl. 10: 209-215. Ap.1930. no.104.

Rev. Gén. Sci.(Paris)

Dufrenoy, J.

Les maladies a virus chez les plantes. Rev. Gén. Sci. 41: 237-243. illus. Ap.30,1930. no.8.

Rev. Inst. Agr. d'Oka.

Samson, S.

Le Brassica oleracea. Quelques caractères héréditaires du Brassica oleracea. Rev. Inst. Agr. d'Oka. 4: 92-95. My./Je.1930. no.3.

Rev. Zool. et Bot. Afr.

Duchesne, Fl.

Etude sur le bois de trois méliacées du Congo Belge. Rev. Zool. et Bot. Afr. 19: 131-149. incl. pl. Ap.15,1930. no.1.

Khaya, Leplaea coalescens.

Robyns, W.

Note sur les lauracées du Congo Belge. Rev. Zool. et Bot. Agr. 19: 99-104. illus. Ap.15, 1930. no.1.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J.C.F.

Further experiments on the control of white mould (Erysiphe cichoracearum DC) of tobacco 1927-1928. Rhodesia Agr. Journ. 27: 381-387. Ap. 1930. no.4.

Rhodesia Agr.Journ. (cont.)

Hopkins, J.C.F.

A list of plant diseases occuring in southern Rhodesia. Rhodesia Agr. Journ. 27: 413-418. Ap. 1930. no.4.

Schweiz. Zeitschr. Forstw. (Bern)

Gaümann, E.

Ueber eine neue krankheit der douglasien. Schweiz. Zeitschr. Forstw. 81: 63-67. 1 pl. F.1930. no.2.

Adelopus balsamicola.

Science. (Lancaster, Pa.)

Davenport, C. B.

James Arthur Harris. Science. 71: 474-475. My.9, 1930. no.1845.

Deatrick, E.P.

The spotting method of weed eradication. Science. 71: 487-488. My.9, 1930. no.1845.

Erwin, A. T.

The nativity of the pumpkins. Science. 71: 483-484. My.9,1930. no.1845.

C.pepo and C. moschata indigenous to North America.

Goldsworthy, M.C. & Smith, R. E.

"Sour sap" in trees of the genus Prunus. Science. 71: 506-507. My.16, 1930. no.1846.

J.Arthur Harris. Science. 71: 528-529. My.23, 1930. no.1847.

Resolutions adopted by the faculty of the College of Science, Literature and the Arts, the University of Minnesota, April 28, 1930.

Plant growth studies with the interferometer. Science. v.71, no.1847, Suppl. p.x,xii. My.23, 1930. no. 1847.

The growth of plants can be seen with a new form of interferometer devised by Professor K. W. Meissner, of Frankfort, Germany.

Science. (cont.)

Pratt, O.B. & Swartout, H.O.
Fruit and vegetable pigments as indicators. Science. 71: 486-487. My.9, 1930. no.1845.

Scofield, C.S. & Wilcox, L.V.
The boron content of oranges. Science. 71: 542-543. My.23,1930. no.1847.

Sci. Bull. Dept. Agr. So. Africa.

Henrici, M.
Structure of the cortex of grass roots in the more arid regions of South Africa. Sci. Bull. Dept. Agr. So. Africa. 12 p. illus. 1929 (Rec'd My.1930).

McClean, A.P.D.
The bacterial wilt disease of peanuts (Arachis hypogaea L.) Sci. Bull. Dept. Agr. So. Africa. no.87. 14 p. 7 pl. no 4. 1930.

Williams, C. O.
South African tanning materials. II. Trees and plants other than the black wattle. Sci. Bull. Dept. Agr. So. Africa. no.74. 58 p. 10 pl.on 5 . 1930.

Scient. Agr. (Ottawa)

Harris, G. H.
Studies on tree root activities. II. Some factors which influence tree root respiration. Scient. Agr. 10: 546-573. illus. My.1930. no.9.

Wilson, B. H.
The relation of maturity in the apple to relative winter injury. Scient. Agr. 10: 598-606. illus. My.1930. no.9.

Sci. Proc. Roy. Dublin Soc.

Dixon, H.H. & Bennet-Clark, T. A.
Electrical properties of oil-water emulsions with special reference to the structure of the plasmatic membrane. Sci. Proc. Roy. Dublin Soc. 19: 421-440. Ap.1930. no.35.

Sci. Proc. Roy Dublin Soc.(cont.)
Dixon, H.H. & Bennet-Clark, T.A.
Responses of plant-tissues to electric currents. II. Sci. Proc. Roy. Dublin Soc. 19: 415-420. illus. Ap.1930. no.34.

Reilly, J.
Study of the polysaccharides. I-II. Sci. Proc. Roy. Dublin Soc. 19: 409-414, 451-453. illus. Ap.1930. no.33, 38.
P.P. Donovan joint author I, D.T. McSweeney, II.
I. Inulin and inulan. II. Note on the purification of the natural products.

Subtropiki. (Suchum.)
Kolzlov, V.M.
... Ripening fruits and vegetables and increasing their aromatization by the ethylene process. Subtropiki. 1929: 13-26. illus. 1929 (Rec'd 1930).
Russian with English summary.

Succulenta. (Leeuwarden)
Houten, J.M. van den
Hoe heet die cactus? (concl.) Succulenta. 31: 82-86. illus. My.1930. no.5.

Süddeut. Apoth.-Zeit. (Stuttgart)
Götz, E.
Die heilpflanze Mandragora in alter und neuer zeit. Süddeut. Apoth.-Zeit. 70: 223-224. Ap.25, 1930. no.33.

Tasmanian Journ. Agr.
Oldaker, C.E.W. & Dowson, W.J.
Potatoes. Virus disease and selection of healthy plants for "stud" seed plots. Tasmanian Journ. Agr. n.s., 1: 44-46. illus. F.1, 1930. no.2.

Trav. Office Nat. Mat. Prem. Veg. [France.]
Perrot, E.
Sur les productions végétales indigènes ou cultivées de l'Afrique Occidentale française (Sahara, Soudan nigerien, Haute-Volta, Guinée) Trav. Off. Nat. Mat. Prem. Veg. [France] Notice 31: 468 p. xxiii pl., map. 1929 (Rec'd 1930)

U.S. Dept. Agr. Circ.

Coons, G.H., Stewart, D. & Larmer, F.G.

The sugar-beet leaf-spot disease and its control by direct measures. U.S. Dept. Agr. Circ. 115. 20 p. illus. Ap.1930(My.)

Griffiths, D.

The production of hyacinth bulbs. U.S. Dept. Agr. Circ. 112. 34 p. illus. Ap.1930. (My.)

U.S. Dept. Agr. Techn. Bull.

Wellman, F.L.

Clubroot of crucifers. U.S. Dept. Agr. Techn. Bull. 181. 31 p. illus. Ap.1930 (My.)

Verh. K. Akad. Wetensch. Amsterdam. 2. sect.

Beyma Thoe Kingma, F. H.

Mykologische untersuchungen. Verh. K. Akad. Wetensch. Amsterdam. 2. Sect. 26(4): 3-29. illus. 1929 (Rec'd My.1930)

Innatospora rosea nov.gen., nov.spec. - Gloeosporium longisporum nov.spec. - Botrytis verrucosa nov.spec. - Penicillium javanicum nov.spec. - Ueber Acrothecium lunatum Wakker. - Ueber eine neue Mortierella, M. atrogrisea nov.spec. - Ueber spontane bildung von zwei- und mehrzelligen konidien bei Botrytis.

Mes, M.

On the identity of Dematium scabridum Gilman and Abborr with the conidial form of Ceratostomella adiposum (Butl.) Sartoris. Verh. K. Akad. Wetensch. Amsterdam. 2. sect., 26(4): 30-31. 1929 (Rec'd My. 1930)

Verh. Naturf. Ges. Basel.

Schröter, C.

Eine exkursion ins Tenggergebirge (Ostjava). Verh. Naturf. Ges. Basel. 40(2): 511-535. illus. pl.xxii. 1929 (Rec'd 1930).

Senn, G.

Gut- ind schlechtwachsende pflanzen, ... und ... bei Theophrast von Eresos. Verh. Naturf. Ges. Basel. 40(2): 395-422. 1929 (Rec'd My.1930)

Vict. Nat. (Melbourne)

Williamson, H. B.

Some plants of the northern Mallee. I- Vict. Nat. 46: 243-244. Ap.1930. no.12.

Wiss. Arch. Landw. Abt.A, Pflanzenbau. (Berlin)

Niethammer, A.

Histochemische untersuchungen und permeabilitätsstudien an landwirtschaftlichen sämereien im hinblicke auf ihre keimungsbiologie. Wiss. Arch. Landw. Abt.A. Pflanzenbau. 3: 321-348. illus. Ap.24, 1930. no.3.

Schmidt, O.

Sind ruben- und hafer-nematoden identisch? Wiss. Arch. Landw. Abt.A. Pflanzenbau. 3: 420-464. illus. Ap.24, 1930. no.3.

Heterodera schachtii subsp. maior for greater oat nematode; H. schachtii subsp. minor for smaller sugar beet nematode.

Schulz, G.

Der einfluss der ernährung des getreides auf den befall durch Erysiphe graminis D.C. Wiss. Arch. Landw. Abt.A. Pflanzenbau. 3: 371-388. Ap.24, 1930. no.3.

Tumanow, I.I.

Welken und dürreresistenz. Wiss. Arch. Landw. Abt.A. Pflanzenbau. 3: 389-419. Ap.24, 1930. no.3.

Yearbk. Mass. Hort. Soc.

Fischer, E. H.

Mutations and variations in gladiolus. Yearbk. Mass. Hort. Soc. 1930: 55-57. illus.

Zapiski Leningr. Sel'sko-Khoz. Inst. (Mem. Agr. Inst. Leningr.)

Naumov, N. A.

... Study of the germination of Orobanche cumana Wallr. seeds. Zapiski Leningr. Sel'ske-Khoz. Inst. (Mem. Agr. Inst. Leningr.) v.6, no.2 (Bull. Phytopath.Stat. Detsk. Selo Contr. 1) 16 p. illus. 1930.

Russian with English summary.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch.-Prakt. Teil.

Densch, A. G. & Steinfatt,
Die "kalkfeindlichkeit" der lupine. Zeitschr. Pflanzenernähr. Düng. u Bodenk. V, Wirtsch.-Prakt. Teil. 9: 161-174. illus. Ap.1930. no.4.

Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp. Landw. Südost. Eur.-Russl.) (Saratov)

Richter, A.A. & Grechushnikov, A.I.
... Ueber die bestandigkeitsfaktoren unserer kulturpflanzen. I-II. Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp. Landw. Sudost. Eur. Russl.) 7: 99-140. 1929. (Rec'd My.1930) no.2.
Russian with German summary:(p.149-150).
E.I. Dvoretskaja joint author no.I.
I. Der transpiration und des assimilationsprozess pilzinficierter pflanzen. II. Die physiologie des spaltöffnungsapparat bei pilzinfection.

Saltykovsky, M.J.
... Winter hardiness of winter plants. Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp. Landw. Südost. Eur.-Russl.) 7: 181-218. illus. 1929 (Rec'd My.1930) no.2.
Russian with English summary.

Sukhorukov, K.T.
... Gerbstoffgehalt einiger pflanzen des Niederen-Wolgagebiets. Zhurn. Opytn. Agron. Iugo-Vost. (Journ. Exp. Landw. Südost. Eur.-Russl.) 7: 87-97. 1929 (Rec'd My.1930) no.2.
Russian with German summary.

Exper. Stat. Publ.

California agricultural experiment station.
Citrus experiment station. In its Report. 1928/29: 32-45. 1930.

California agricultural experiment station.
Plant pathology. In its Report. 1928/29: 87-91. 1930.

Plant diseases. Ann. Rep. Georgia Agr. Exp. Stat. 42(1929): 16-20. [1930]
B.B. Higgins botanist.

Exper. Stat.Publ. (cont.)

Morris, H.E. & Young, P. A.
Potato diseases in Montana. Montana Agr. Exp. Stat. Bull. 227. 51 p. illus. Mr.1930. (My.)

Zook, L.L. & Jodon, N.E.
Seed corn treatments at the North Platte Substation Nebraska Agr. Exp. Stat. Circ. 38. 3 p. F.1930 (My.)

Howlett, F.S. & May, C.
Spray injury and fruit set. Ohio Agr. Exp. Stat. Bimonth. Bull. 144: 67-70. My./Je.1930.
Loss of fruit due to lime-sulphur in the 2-3 weeks spray not so important as other factors affecting fruit setting.

New Books.

Amsterdam. K. akademie van wetenschappen-
Centraalbureau voor schimmelcultures, Baarn.
List of cultures. 1930.

Barclay, H. B.
Beautify and benefit with Pachysandra. Narberth, Pa., 1930.

Bonnier, G. & Douin, R.
Flore complète illustrée en couleurs de France ... Suisse et Belgique. v.11, fasc. 103. pl.613-618. [1930]

Craveri, C.
Les essences naturelles... traduit d'après la 2. ed. italienne par Henri Tatu. Paris, Dunod, 1929.

Dengler, A.
Waldbau auf ökologischer grundlage. Berlin, J. Sprenger, 1930.

Francis, W. D.
Australian rain-forest trees. Excluding the species confined to the topics. Brisbane, 1929.

New Books.(cont.)

Fry, W. & White, J.R.
Big trees. Stanford University, Stanford university press, 1930.

Handel-Mazzetti, H.
Hochland und hochgebirge von Yünnan und Südwest-Setschwan. I. In Karsten, G. Vegetationsbilder, r.20, h.7. pl.37-42. 1930.
I. Die subtropische und wermtemperierte stufe.

Hannig, E. & Winkler, H.
Die pflanzenareale. 2. reihe, H.7. map 62-70. Jena, G. Fischer, 1930.
1. Ostenfeld, C.H. & Syrach-Larsen, C. Larch. 2. Lämmermayr, L. Hedera. 3. Regel, C. Cornus sect. Arctocrania. 4. Hayek, A.v. Europäische Gesneraceae.

Huber, J. A.
Vererbungsstudien an gerstenkreuzungen. Leipzig, Borntraeger, 1929 (Bibliotheca genetica, v.14, [art.2]

Hustedt, F.
Die kieselalgen. lfg.4. Leipzig, F. 1930 (Rabenhorsts Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz. VII. bd.)

Keller, B.
Die erdflechten und cyanophyceen am unteren lauf der Wolga und des Ural. In Karsten, G. Vegetationsbilder. r.20, h.8. pl.43-48. 1930.

Knuth, R.
Oxalidaceae. Das Pflanzenreich. h.95. 1930.

Plant patents. Hearings before the Committee on patents, House of representatives, 71st Congress on H.R. 11372, a bill to provide for plant patents. April 9, 1930. Washington, 1930.

Raum, H.
Untersuchungen über die vererbung des durchschnittlichen ährchenabstandes und des spelzenschlusses bei wiezen. Leipzig, Borntraeger, 1929. (Bibliotheca genetica, v.14, [art.1]

Roeder, W.v.
Fehlerbuch des kakteenzüchters. 4. aufl. Stuttgart, Franckh'sche verlagshandlung, 1929.

BOTANY

CURRENT LITERATURE

LIBRARY
RECEIVED
★ JUN 30 1930 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 12, no. 12. May 26 - Je.7, 1930.

Acta Horti Petrop. (Leningrad)

Fedchenko, B.A., ed.
Flora Rossiae austro-orientalis III. Cyperaceae - Orchidaceae. Acta Horti Petrop. 40: 257-436. illus. 1929 (Rec'd My.1930) no.3.
Contributions by various botanists.

Fedchenko, B.A.
[A new Astragalus from the Kanin Peninsula, A. grigorjewi]. Acta Horti Petrop. 41: 119-120. 1929 (Rec'd My.1930) no.1.
Russian with Latin diagnosis.

Fedchenko, B. A. & Goncharov, N.F.
[A new Satureia from Central Asia, S. popowii] Acta Horti Petrop. 41: 117-118. 1929 (Rec'd My. 1930) no.1.
Russian with Latin diagnosis.

Fedchenko, B.A. & Goncharov, N.F.
[Sketch of the vegetation of the eastern part of the Orenburg government]. Acta Horti Petrop. 41: 3-110. iii pl., fold.tab.,map. 1929. (Rec'd My.1930) no.1.
Russian.

Amer. For. & For. Life. (Washington, D.C.)

Brooke, B.
The war of the cedars. The dramatic story of West Virginia's fight for and against the cedar. Amer. For. & For. Life. 36: 325-329. illus. Je.1930. no.6.
Presence of cedar rust among the apple orchards of the Shenandoah Valley.

Amer. Midl. Nat. (Notre Dame, Ind.)

Bush, B. F.
Ferns of Oklahoma. Amer. Midl.Nat. 12: 91-112. My. 1930. no.3.

Ann. Appl. Biol. (London)

Berridge, E.M.
Studies in bacteriosis. XVII. Acidic relations between the crown-gall organism and its host. Ann. Appl. Biol. 17: 280-283. illus. My.1930. no.2.

Bewley, W. F. & Corbett, W.
The control of cucumber and tomato mosaic diseases in glasshouses by the use of clean seed. Ann. Appl. Biol. 17: 260-266. My.1930. no.2.

Bewley, W. F. & Corbett, W.
The "maturation period" of the tomato plant. Ann. Appl. Biol. 17: 267-279. illus., My.1930. no.2.

Butler, E. J.
Some aspects of the morbid anatomy of plants. Ann. Appl. Biol. 17: 176-212. illus., pl. viii-xii. My. 1930. no.2.

Elliott, J. S. B.
The soil fungi of the Dovey Salt Marshes. Ann. Appl. Biol. 17: 284-305. illus. My.1930. no.2.

Jarrett, P. H.
Streak - a virus disease of tomatoes. Ann. Appl. Biol. 17: 248-259. My.1930. no.2.

Salmon, E.S. & Ware, W.M.
The chlorotic disease of the hop. Ann. Appl. Biol. 17: 241-247. pl. xxi-xxii. My. 1930. no.2.

Smith, J. H.
Intracellular inclusions in mosaic of Solanum nodiflorum. Ann. Appl. Biol. 17: 213-222. illus. pl. xiii-xvi. My.1930. no.2.

Smith, K.M.
Studies on potato virus diseases. VII. Some experiments with the virus of a potato crinkle with notes on interveinal mosaic. Ann. Appl. Biol. 17: 223-240. pl. xvii-xx. My.1930. no.2.

Ann. Bot. (London)

Ashby, E.

Studies in the inheritance of physiological characters. I. A physiological investigation of the nature of hybrid vigour in maize. Ann. Bot. 44: 457-467. pl. xxiv. Ap.1930. no.174.

Bexon, D. & Wood, A.E.

Observations on the anatomy of teratological seedlings. VII. The anatomy of some polycotylous seedlings of Impatiens roylei, Walp. Ann. Bot. 44: 297-309. illus. Ap.1930. no.174.

Caldwell, J.

A note on the dichotomous branching of the main stem of the tomato (Lycopersicum esculentum). Ann. Bot. 44: 495-498. illus. Ap.1930. no.174.

Campbell, D. H.

The phylogeny of monocotyledons. Ann. Bot. 44: 311-331. illus. Ap.1930. no.174.

Farries, E.H.M. & Bell, A.F.

On the metabolism of Nematospora gossypii and related fungi, with special reference to the source of nitrogen. Ann. Bot. 44: 423-455. Ap.1930. no.174.

Gupta, S.D.D.

Studies in the genera Cytosporina, Phomopsis, and Diaporthe. II. On the occurrence of saltation in Cytosporina and Diaporthe. Ann. Bot. 44: 349-384. Ap.1930. no.174.

C. ludibunda & D. perniciosa.

Holden, H. S.

Observations on some wound reactions in the aerial stem of Psilotum triquetrum. Ann. Bot. 44: 285-296. illus. Ap.1930. no.174.

Holloway, J. E.

The experimental cultivation of the gametophytes of Hymenophyllum pulcherrimum, Col. and of Trichomanes reniforme, Forst.F. Ann. Bot. 44: 259-284. Ap.1930. no.174.

Ann. Bot. (cont.)

Jones, W.N.
A new kind of potometer. Ann. Bot. 44: 499-502. illus. Ap.1930. no.174.

Maskell, E.J. & Mason, T. G.
Studies on the transport of nitrogenous substances in the cotton plant. IV. The interpretation of the effects of ringing, with special reference to the lability of the nitrogen compounds of the bark. Ann. Bot. 44: 233-267. Ap.1930. no.174.

Saxton, W.T.
Notes on conifers. V-VI. Ann. Bot. 44: 415-417. 419-421. illus. Ap.1930. no.174.
V. Erect and exserted seeds in Sequoia gigantea, Torrey. VI. Pollination in the Pinaceae, with special reference to Cedrus atlantica, Manetti.

Scott, D. H.
Cladites bracteatus, a petrified shoot from the lower coal-measures. Ann. Bot. 44: 333-348. illus., plates -xvii. Ap.1930. no.174.

Thoday, D.
On Arceuthobium pusillum Peck. I. The endophytic system. Ann. Bot. 44: 393-413. illus., pl. xxiii. Ap.1930. no.174.

Thornton, H. G.
The early development of the root nodule of lucern (Medicago sativa L.) Ann. Bot. 44: 385-392. pl. xxi-xxii. Ap.1930. no.174.

Vasudeva, R.S.
Studies in the physiology of parasitism. XI(i.e. XII). An analysis of the factors underlying specialization of parasitism, with special reference to the fungi Botrytis allii, Munn. and Monilia fructigena, Pers. Ann. Bot. 44: 469-493. Ap.1930. no.174.

Ann. Phys. et Physicochim. Biol. (Paris)

Dubuisson,
Recherches sur la répartition du manganèse chez les végétaux. Ann. Phys. et Physioochim. Biol. 5: 845-856. 1929. no.5.

Ann. Chim. Appl. (Roma)

Bravo, G. A.

Contributo allo studio di alcuni vegetali tanniferi della Libia. Ann. Chim. Appl. 20: 171-180. Ap.1930. no.4.

Cremonini, A.

Sull'indice di rame del cotone. Ann. Chim. Appl. 20: 168-170. Ap.1930. no.4.

Arch. de Bot. Caen. Mém.

Guillaumin, A.

Révision des rubiacées de la Nouvelle-Calédonie. Arch. de Bot. Caen Mém. v.3, no.5. 47 p. 1929. no.5.

No. xxvii Matériaux pour la flore de la Nouvelle-Calédonie.

Litardière, R. & Malcuit, G.

Contributions a l'étude phytosociologique de la Corse. Les hetraies de l'Incudine. Arch. de Bot. Caen.Mém. v.3, no.4. 11 p. pl.1-2. 1929.

Litardière, R.de.

Nouvelles contributions à l'etude de la flore de la Corse. II. Arch. de Bot. Caen Mém. v.3, no.3. 31 p. 1929. no.3.

Arch. Mikrobiol. (Berlin)

Boas, F. & Neumuller, G.

Zur kenntnis von gallensalzwirkungen auf einige gärungsorganismen. Arch. Mikrobiol. 1: 35-59. illus. 1930. no.1.

Bokor, R.

Mycococcus cytophagus n.sp. 1929. (Spirochaeta cytophaga Hutchison und Clayton 1919). Arch. Mikrobiol. 1: 1-34. illus. 1930. no.1.

Untersuchungen über aerobe, bakterielle, cellulosezersetung mit besonderer berücksichtigung des waldbodens.

Miehe, H.

Die wärmebildung von reinkulturen im hinblick auf die ätiologie der selbsterhitzung pflanzlicher stoffe. Arch. Mikrobiel. 1: 78:118. 1930. no.1.

Arch. Mikrobiol. (cont.)

Rippel, A. & Heilmann, F.

Quantitative untersuchungen über die wirkung der kohlensäure auf heterotrophen. Arch. Mikrobiol. 1: 119-136. illus. 1930. no.1.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin)

Tummin Katti, M. C. & Shintre, V.P.

Chemical examination of the stems of Coscinium fenestratum, Coleb. I- Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 314-321. My.1930. no.5.

Biochem. Zeitschr. (Berlin)

Niethammer, A.

Bio- und histochemie der pflanzlichen früchte und samen. I. Biochem. Zeitschr. 220: 348-357. Ap.17, 1930. no.4/6.

Reifenberg, A. & Frankenthal, L.

Ueber den einfluss von phosphatlösungen verschiedener wasserstoffionenkonzentration auf die atmung und keimung von samen. Biochem. Zeitschr. 220: 473-486. Ap.17, 1930. no.4/6.

Beziehungen zwischen bodenreaktion und wachstum.

Biull. Otd. Zemled. Gosud. Inst. Opytn. Agron. (Mitt. Abt. Ackerb. Staatl. Inst. Exp. Agron.) (Leningrad)

Flerov, K.V. & Iakubtsbv, S.I

... The effect of soil temperature upon the development of the cotton plant. Biull. Otd. Zemled. Gosud. Inst. Opytn. Agron. (Mitt. Abt. Ackerb. Staatl. Inst. Exp. Agron.) 37. 24 p. illus. 1929 (Rec'd Ap.1930).

Bol. Agr. São Paulo.

Averna-Saccá, R.

Os entomophagos cryptogamicos na broca do cafeiro (Stephanoderes hampei Ferr.) encontrados em S.Paulo. Bol. Agr. São Paulo. 31: 10-24. illus. Ja./F. 1930. no.1/2.

Botrytis stephanoderis.

Hoehne, F. C.

As plantas ornamentaes da flora brasilica e seu papel como factores da salubridade publica, da esthética urbana e artes decorativas naciones. (cont.) Bol. Agr. São Paulo. 31: 25-46. 4 pl. Ja./F. 1930. no.1/2. (Rec'd Je.)

Bol. Lab. Path. Veg. Bahia.

Bondar, G.

Relatorio do funccionamento do laboratorio de pathologia vegetal do estado da Bahia, no anno de 1928. Bol. Lab. Path. Veg. Bahia. no.8. 53 p. illus. 1929.

Bol. Union Panamer, (Washington, D. C.)

Popenoe, W. & Butler, A.F.

La estación experimental de Lancetilla. Bol. Union Panamer. 64: 641-652. illus. Je.1930. no.6.

Bolezni Rast. (Morbi Plant.) Leningrad.

Bedniagin, A.E. & Loshchilova, A.P.

... Pilz- und bacterialkrankheiten der feld- und gemüsegartenpflanzen in der nähe von der stadt Wjatka im sommer 1928 beobachtet. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 201-217. 1929 (Rec'd My.1930. no.4.

Russian with very brief German summary.

Bondartsev, A.

... Feststellung der menge von mutterkorn im roggen auf dem Morschamsk-versuchsfelde und seiner umgebung im jahre 1929. Bolezni Rast.(Morbi Plant.) Leningrad. 18: 231-234. 1929. (Rec'd My.1930) no.4.

Russian with German summary.

Bondartsev, A.

... Notiz über das erkrankungen der citronen bei unrichtiger aufbewahrungsart. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 168-171. 1929. (Rec'd My. 1930) no.3.

Red blotch & peteca.

Russian with very brief German summary.

Dobrozrakova, T.L.

... Notiz über schneeschimmel im jahre 1928. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 66. 1929. (Rec'd My.1930) no.1/2.

Russian with German summary.

Bolezni Rast.(Morbi Plant.) (cont.)

Dobrozrakova, T. L.

... Zur frage über gegenseitige beziehung zwischen pflanze und pilz. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 30-44. 1929 (Rec'd My.1930) no.1/2.

Russian with brief German summery.

Eremeeva, A.M. & Karakulin, B.P.

... Rost der sonnenblume nach beobachtungen auf der Nieder-Wolgaer landwirtschaftlichen landesstation. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 11-30. 1929 (Rec'd My.1930) no.1/2.

Russian with German summary.

Naumov, N. A.

Zur frage über die biologie von Colletotrichum lini Bolley. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 218-230. 1929 (Rec'd My.1930) no.4.

Russian with German summary.

Popova, A. A.

... Diseases of tobacco, Nicotiana rustica L. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 45-53. 1929 (Rec'd My.1930) no.1/2.

Russian with English summary.

Rusakov, L.F.

... Versuch einer gruppierung der winterweizen nach dem grad ihrer ansteckung mit Puccinia triticina Erikss. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 54-65. 1929. (Rec'd My.1930) no.1/2.

Russian with German summary.

Strakov, T.D.

... Zur gedächtniss an A.A. Potebnia, 1870-1919. Bolezni Rast. (Morbi Plant.) Leningrad. 18: 1-10. port. 1929 (Rec'd My.1930) no.1/2.

Russian with German summary.

Vasil'evsky, N.I.

... Die rose muscardine und ihre erreger Spicaria aphodii Vuill. und Spicaria fumosorosea (Wize.) Bolezni Rast. (Morbi Plant.) Leningrad. 18: 113-148. illus. 1929 (Rec'd My.1930) no.3.

Russian with German summary.

Bot. Gaz. (Chicago)

Clements, H.F.

Hourly variations in carbohydrate content of leaves and petioles. Bot. Gaz. 89: 241-272. My.1930. no.3.

Data gathered from potato, soy bean and sunflower.

Cotner, F. B.

Cytological study of the zoospores of Blastocladia. Bot. Gaz. 89: 295-309. illus. My. 1930. no.3.

Hopkins, E. F.

Iron-ion concentration in relation to growth and other biological processes. Bot. Gaz. 89: 209-240. My.1930. no.3.

Experiments with Chlorella.

Raleigh, G. J.

Chemical conditions in maturation, dormancy, and germination of seeds of Gymnocladus dioica. Bot. Gaz. 89: 273-294. illus. My.1930. no.3.

Shull, C. A.

Occurrence of multiple-seeded Xanthium in Australia. Bot. Gaz. 89: 310-311. illus. My.1930. no.3.

Bot. Kozlem. (Budapest)

Margittai, A.

Királyhelmec és környékének flórája. (Flora von Királyhelmec und umgebung.) Bot. Közlem. 26: 88-96. 1929. no.5/6.

German summary.

Pénzes, A.

A Crypsisek mammillosus seijtjeiröl. (Ueber die mammillösen zellen der gattung Crypsis). Bot. Közlem. 26: 74-80. illus. 1929. no.5/6.

German summary.

Varga, F.

A paprika tracheomykosisa. (Tracheomykose am spanischen pfeffer (Capsicum annuum). Bot. Közlem. 26: 81-88. illus. 1929. no.5/6.

German summary.

Bot. Tidsskr. (København)

Andersen, S.

Nye fund af halofyter i storebaeltsomraadets indland. Bot. Tidsskr. 41: 100-112. 1930. no.2.

Børgesen, F.

Fra en rejse i Indien 1927-28. Bot. Tidsskr. 41: 113-153. illus. 1930. no.2.

English abstract: p.148-153.

Wiinstedt, K.

Bundvegetationen i Danmarks nordligste bøgeskove. Bot. Tidsskr. 41: 81-99. 1930. no.2.

Brotéria Ser. Bot. (Lisboa)

Baur, E.

Aplicação da genética ao melhoramento das plantas cultivadas. Brotéria Ser. Bot. 24: 49-57. My.1, 1930. no.2.

Luisier, A.

Les mousses de l'Archipel de Madère et en général des Iles Atlantiques. (cont.). Brotéria Ser.Bot. 24:66-96. My.1, 1930. no.2.

Pujiula, J.

La germinatión del sorgo, "Sorghum saccharatum" P. y sus dispositiones anatómico-microscópicas en sus primeros estadios. Brotéria Ser. Bot. 24: 58-65. illus. My.1, 1930. no.2.

Bull. Agence. Gén. Colon. France. (Paris)

Heim de Balsac, F., Heim de Balsac, H., Lefèvre, L. & Parveaud, A.

La graine du muscadier a suif "cay mau cho" d'Indochine. Bull. Agence. Gén. Colon. France. 23:183-198. iii pl. Ap.1930. no.255.

Knema corticosa.

Bull. Univ. Aurore (Shangahi)

Belval, H.

Les transformations des glucides dans le bananier. Bull. Univ. Aurore (Shanghai). 20(1929/30): 1-17. 1930.

Bull. Soc. Chim. Biol. (Paris)

Pieraerts, J.& Tanret, G.

Sur les graines du Tetrapleura thonningii. Bull. Soc. Chim. Biol. 12: 457-463. Ap.1930. no.4.

Rabaté, J.

Sur quelques glucosides azotés dérivés du picéoside. Bull. Soc. Chim. Biol. 12: 441-448. Ap. 1930. no.4.

"La phénylhydrazone, l'oxyme et la semicarbazone du picéoside".

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)

Thériot, I. & Trabut, L.

Quelques mousses inédites de l'Afrique du nord. Bull. Soc. Hist. Nat. Afr. Nord. 21: 28-31. Mr.15, 1930. no.3.

Bull. Amer. Iris Soc.

Shull, M.

Further notes on iris behavior. Bull. Amer. Iris Soc. 35: 40-42. illus. Ap.1930.

Bull. Dept.Agr.Kenya (Nairobi)

McDonald, J.

Notes on diseases of coffee in Kenya. Bull. Dept. Agr. Kenya. no.7H. 2 p. 1929 (Rec'd My. 1930)

McDonald, J.

Notes on maize in Kenya. Bull. Dept. Agr. Kenya. no.7J. 2 p. 1929 (Rec'd My.1930)

McDonald, J.

Notes on physiologic forms of wheat stem rust in Kenya and their bearing on wheat breeding. Bull. Dept. Agr. Kenya. no.7G. 2 p. 1929 (Rec'd My.1930)

Bull. Dept. Agr. Prov. Quebec.

Caron, O. & Maheux, G.

Mauvaises herbes les plus nuisibles. Bull. Dept. Agr. Prov. Quebec. no.103. 32 p. illus. (col.) 1930.

[Bull.]Dept.Agr. Straits Settlem. & Feder. Malay States Gen.Ser.
Lambourne, J.
The Brazil nut in Malaya. [Bull.] Dept.Agr. Straits Settlem. & Feder. Malay States Gen.ser. no.2. 14 p. 6 pl. 1930.

Bull. Misc. Inform. Kew. (London)
Craib, W. G.
Contributions to the flora of Siam. Additamentum XXVII. Bull. Misc. Inform. Kew. 1930: 161-174. 1930. no.4.

Hill, A. W.
Strychnos chloropetala A.W. Hill. Bull. Misc. Inform. Kew. 1930: 175-176. 1930. no.4.
S. chloropetala substituted for S.viridifolia.

Howes, F.N.
Fish-poison plants. Bull. Misc. Inform. Kew. 1930: 129-153. 1930. no.4.

Kew. Royal gardens.
Decades kewenses. Plantarum novarum in herbario Horti regii conservatarum. Decas CXXIV. Bull. Misc. Inform. Kew. 1930: 153-161. illus., pl.vi. 1930. no.4.

Bull. Res. Dept. United Fruit Co.
Hartman, A.N.
Biometrical studies of the Gros Michel banana, pt.I-IV. Bull. Res. Dept. United Fruit Co. 17. 40 p. incl. illus., plates. N.1929; 18. 157 p. illus. D.1929; 19. 39 p. Mr.1930.
I. Biometrical technique. II/III. The fruit. IV. The vegetative growth.

Bull. Deli Proefst. Medan, Sumatra.
Jochems, S.C.J.
Twee nieuwe virusziekten bij Deli-tabak. (Ringvlekziekte en nerfstreep). (Two virus diseases new to Deli tobacco (Ring spot disease and vein streak). Bull. Deli Proefst. Medan, Sumatra. no.30. 24 p. 2 pl. [1930]
English summary.

Calif. Cult. (Los Angeles)
Lockwood, S.
Insects as carriers of plant diseases. Calif. Cult. 74: 613. My.31, 1930. no.22.

Canad. Jour... Res. (Ottawa)
Harrington, J. B.
The relationship between morphologic characters and rust resistance in a cross between emmer, (Triticum dicoccum) and common wheat (Triticum vulgare). Canad. Journ. Res. 2: 295-311. 1 pl. My.1930. no.5.

Centralbl. Ges. Forstw. (Wien)
Schimitschek, E.
Die krankheiten und feinde der Douglastanne. Centralbl. Ges. Forstw. 56: 130-140. 1930. no.4.

Centralbl. Zuckerind. (Magdeburg)
Baur, E.
Die auslösung von mutationen durch chemische und physikalische reize und ihre bedeutung für die pflanzenzüchtung. Centralbl. Zuckerind. 38: 577. My.14, 1930. Festausgabe.

Circ. Secc. Prop e Inform. Min. Agr. Argentine. (Buenos Aires)
Rudorf, W.
Aspectos genéticos del problema da la immunidad en las plantas cultivadas. Circ. Secc. Prop. e Inform. Min. Agr. Argentine. no.799. 6 p. 2 col. pl. Mr.1930.
Especially concerned with resistance of wheat to disease.

Citrus Indust. (Tampa, Fla.)
Lord, E.L.
Soil conditions and citrus tree responses. Citrus Indust. 11(5): 8-9, 32-33. My.1930. no.5.

Rhoads, A. S.
Some new or little known citrus diseases observed during the past year. Citrus Indus. 11(5): 3-7, 34. illus. My.1930. no.5.

Compt. Rend. Acad. Sci. Paris.
Becquerel, P.
La vie latente des spores de fougère dans le vide aux basses températures de l'helium liquide. Compt. Rend. Acad. Sci. Paris. 190: 1134-1136. My.12,1930. no.19.
Aspidium filix.

Compt. Rend. Acad. Sci. Paris. (cont.)

Chaussin, J. P. & Blanchard, E.

Régulation physico-chimique dans le milieu intérieur de quelques plantes agricoles. Compt. Rend. Acad. Sci. Paris. 190: 1139-1141. My.12, 1930. no.19.

Lagatu, H. & Maume, L.

Evolution chimique comparée des feuilles de la vigne prélevées à des hauteurs différentes sur les rameaux. Compt. Rend. Acad. Sci. Paris. 190: 1137-1139. illus. My.12, 1930. no.19.

Lemesle, R.

Observations relatives au Fusarium anthophilum (A.Br.) Wr. parasite du Scabiosa succisa L. Compt. Rend. Acad. Sci. Paris. 190: 1141-1143. illus. My.12, 1930. no.19.

Compt. Rend. Soc. Biol. Paris.

Moreau, F.

Sur la spécificité des gonidies des lichens. Compt. Rend. Soc. Biol. Paris. 104: 23-24. My.9, 1930. no.15.

Telezynski, H.

Observations vitales sur la structure des chromosomes dans les poils staminaux de Tradescantia. Compt. Rend. Soc. Biol. Paris. 104:167-169. My.16, 1930. no.16.

Costa Azzurra. Agr.-Flor. (Sanremo)

Calvino, E.M.

Rassegna delle principali malattie riscontrate nelle piante da fiore nel 1929. Costa Azzurra Agr.-Flor. 10: 7-13. illus. Ja.1930. no.1.

Country Life. (Amer.) (Garden City, N.Y.)

Shull, J.M.

Some iris personalities. Country Life.(Amer.) 58: 35-39, 110. col. illus. Je.1930. no.2.

Curt. Bot. Mag.
Curt. Bot. Mag. v.153, pt.4. col.pl. 9195-9204. My.19,1930.

Rhododendron griersonianum, Primula cawdoriana, Cornus paucinervis, Phalaenopsis violacea, Ranunculus ficaria grandiflorus, Rheum palmatum dissectum, Abies faberi et Abies forrestii, Rhododendron hedyosmum, Columnea microphylla, Ephedra procera.

Dansk Bot. Ark. (København)
Hagerup, O.

Ueber die bedeutung der schirmform der krone von Acacia seyal Del. Dansk Bot. Ark. v.6, no.4. 19 p. illus., 1 pl. 1930.

Lange, J.E.

Studies in the agarics of Denmark. VIII. Omphalia. Pleurotus. Clitocybe. Dansk Bot. Ark. v.6, no.5. 62 p. 2 pl. (1 col.) 1930.

Desert. (Pasadena)
Jones, M. E.

Early botanizing. Desert. (Pasadena) 2: 21, 25. Je.1930. no.2.

Empire Forester. (Syracuse, N.Y.)
Rhoads, A.S.

Water injury to citrus trees in Florida. Empire Forester 16: 24-31. illus. 1930.

Ernähr. Pflanze. (Berlin)
Bley,

Wiesen- und weidenunkräuter und ihre bekämpfung. Ernähr. Pflanze. 26: 220-222. illus. My.15, 1930. no.10.

Flor. Exch. (N.Y.)
Mann, A. N.

Some aspects of the law for plant patents. Flor. Exch. 74(4): 11. My.24, 1930.

Flor. Rev. (Chicago)
Chadwick, L. C.

Studies in plant propagation. 6. Miscellaneous evergreens. Flor.Rev. 66(1695): 29-30. illus. My.22, 1930.

Fortschr. Landw. (Vienna)
Eperjessy, G.
Unterschiede bei der keimung von auf alkalischem und saurem boden gezüchteten weizensorten. Fortschr. Landw. 5: 345-350. illus. My.15, 1930. no.10.

Fortschr. Naturw. Forsch.
Waksman, S.A.
Der gegewärtige stand der bodenmikrobiologie und ihre anwendung auf bodenfruchtbarkeit und pflanzenwachstum. Fortschr. Naturw. Forsch. n.f., h.10. 116 p. 1930.
Aus dem englischen übersetzt von Frau Dr.H. Nellmann.

Gard. Chron. (London)
Friend, H.
Horticulture in relation to commerce. VII. Our debt to Persia. Gard.Chron. III, 87: 388-389. My.17, 1930. no.2264.

Hastening the germination of conifer seeds. Gard. Chron. III, 87: 379. My.17, 1930. no.2264.

Primula bulleyana and P. beesiana. Gard. Chron. III, 87: 385-386. illus. My.17, 1930. no.2264.

Rhododendron taggianum Hutchinson. Gard.Chron. III, 87: 389. illus. My.17, 1930. no.2264.

Gard. Chron. Amer. (New York)
Anderson, A.W.
The New Zealand mountain lily. Gard. Chron. Amer. 34: 235, 238. illus. Je.1930. no.6.
Ranunculus lyalli.

Ross, M.N.
Ericaceous plants of the Appalachians. Gard. Chron. Amer. 34: 231-234. illus. Je.1930. no.6.
North Carolina and Tennessee.

Hawaiian Plant. Rec. (Honolulu)
Harris, J.A. & Lee, H.A.
The properties of the tissue fluids of sugar cane in their possible relation to drought resistance. Hawaiian Plant. Rec. 34: 167-177. Apr.1930.

Helvetica Chim. Acta. (Basel)

Karrer, P. & Helfenstein, A.

Pflanzenfarbstoffe. XX. Ueber die safranfarbstoffe. VI. Helvetica Chim. Acta. 13: 392-397. pl. 1930.

Izv. Abkhazskoi Sel.-Khoz. Opytn. Stan. (Publ. Agr. Exp. Stat. Abkhasia) (Sukhum)

Nagorny, P. I. & Eristavi, E.M.

... Kurze übersicht der in Abchasien im jahre 1928 beobachteten pflanzenkrankheiten. Izv. Abkhazskoi Sel.-Khoz. Opytn. Stan. (Publ. Agr. Exp. Stat. Abkhasia) no.38. 28 p. 4 pl. 1929 (Rec'd Mr.1930)

Russian with German summary.

Izv. Azerbaidzh. Gosud. Univ. I.V. Lenina. Medits.(Ann. V.I. Lenin State Univ. Azerbaijan Sect. Nat. Hist. & Med.) (Baku)

Kariain, I.I.

[Contributions to the flora of Kubinsky district] Izv. Azerbaidzh. Gosud. I.V. Lenina. Univ. Otd. Estestv. i Medits.(Ann. V.I. Lenin. State Univ. Azerbaijan Sect. Nat. Hist. & Med.) 9: 89-133. 1930.

Russian.

Izv. Glavn. Bot. Sada. SSSR (Bull. Jard. Bot. Prin. URSS) (Leningrad)

Basilevskaja, N.A.

... The vegetation in the south-eastern Karakum wastes: sand ridges and foot hills of the Badkhys mountain. Izv. Glavn. Bot. Sada. SSSR (Bull. Jard. Bot. Prin. URSS) 28: 478-496. 1929 (Rec'd My.1930) no.5/6.

Russian with English summary.

Bobrov, E.

... Beitrag zur kenntnis der gattung Cephalaria Schrad. Einige einjährige arten des Kaukasus und der anliegenden gebiete. Izv. Glavn. Bot. Sada SSR (Bull. Jard. Bot. Prin. URSS) 28: 386-392. illus. (incl.map) 1929 (Rec'd My.1930) no.3/4.

Russian with Latin diagnosis (C.microdonta n.sp.)

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) (cont.)

Czernaikovskaje, E.

... Notiz über zwei arten von Crambe, aus Turkmenistan. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 395-399. 1929. (Rec'd My.1930) no.3/4.

Russian with German summary and Latin diagnosis of new spec. (C.cretacea).

Dagaeva, V.K.

... Ueber eine anomalie der blüten bei Caltha palustris L. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 345-356. illus. 1929. (Rec'd My.1930) no.3/4.

Danilov, A. N.

Introduction à la synthèse du lichen Leptogium issatschenkoi Elenk. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28:225-264. illus. 1929. (Rec'd My.1930) no.3/4.

Russian with French summary.

Elenkin, A. A.

... Sur certaines conséquences du principe combinatif dans le système des lichens. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 423-445. 1929. no.5/6.

Russian with French summary.

Elenkin, A. A.

... Sur les principes théoriques servant à détailler les rangs essentiels du systeme combinatif des lichens. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 265-395. illus., fold.tab. 1929 (Rec'd My.1930) no.3/4.

Russian with French summary.

Iljin, M.M.

... Corispermi generis species novae. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 637-654. 1929 (Rec'd My.1930) no.5/6.

Latin diagnosis.

Ispolatov, E.I.

... Vegetationskizze des nördlichen teiles des kreises Buguruslan. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 624-636. illus. (map) 1929 (Rec'd My.1930)

Russian with brief German summary.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS(cont.)

Juzepchuk, S.V.

... Beitrag zur systematik der gattung Dryas L. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 306-327. 1929 (Rec'd My. 1930) no.3/4.

Russian with German summary and Latin diagnosis of new species, of which ten are described.

Khakhina, A. G.

... Zur biologie des wasserbeckens von Victoria regia Lindl. in den treibhausern des Botanischen gartens zu Leningrad. Izv. Glavn. Bot. Sada. SSR (Bull. Jard. Bot. Prin. URSS) 28: 446-447. illus. 1929 (Rec'd My.1930)

Russian with German summary.

Kolokol'nikov, L.B.

... On the stratification in plant associations of field weeds. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 505-524. illus. 1929. (Rec'd. My.1930) no.5/6.

Russian with English summary.

Vjatka gov't.

Kotov, M.I.

... The Stepok Island on the Asov Sea. Izv. Glavn. Bot. Sada SSR (Bull. Jard. Bot. Prin. URSS) 28: 368-372. illus.(map) 1929 (Rec'd My.1930) no.3/4.

Russian with English summary.

Kryshtofovich, A.

... Euphorbia volgensis sp.nova de regioni volgensi. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 375-378. 1929 (Red'd My.1930) no.3/4.

Russian with Latin diagnosis.

Liubimenko, V.N. & Rubinov, K.M.

... Les transformations des substances hydrocarbonées dans les parties souterraines du Taraxacum officinale Wigg.-aud diverses stades de son developpement. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 357-367. 1929 (Rec'd My.1930) no.3/4.

Russian with French summary.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) (cont.)

Nikolsky, P.N.

... Uebersicht der literatur ueber die flechten von Viatka Land. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 609-625. 1929 (Rec'd My. 1930)

Russian with German summary.

Pobedimova, E.G.

... Der polymorphismus von Stellaria media (L.) Cyr. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 561-591. illus. 1929 (Rec'd My. 1930).

Russian with German summary and Latin diagnosis for the five new species and two emended descriptions.

Poretsky, A. S.

... Zur characteristik der vegetation von sandinseln des Schwarzen meeres. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 328-344. 1929 (Rec'd May 1930) no. 3/4.

Russian with German summary.

Poretsky, V. S. & Chernov, V. K.

... Zur morphologie und biologie von Nostoc planctonicum W.Por. et Tschernov nov. sp. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 549-560. illus. 1929 (Rec'd My. 1930)

Russian with German summary and Latin diagnosis.

Rozhevitz, R.

... Species novae gramineae ex Transbaicalia. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 379-385. 1929 (Rec'd My. 1930) no. 3/4.

Russian with Latin diagnosis.

Skvortsov, B.V.

... Fragmenta flora Manshuriae. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 543-548. 1929. (Rec'd My. 1930)

Russian with very brief German summary.

Ulmi pumilae formae manshuricae -- Betulae generis formae manshuricae.

Ivzv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS (cont.)

Smirnov, V.I.

... Zum funde von zwei farne -- Athyrium crenatum Rupr. und Asplenium trichomanes L. in den Sheguli-Bergen. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. UrSS) 28: 393-394. 1929 (Rec'd My.1930) no.3/4.

Russian with German summary.

Smirnov, V.I.

... Zur charakteristik der waldbestande im bezirk Poschechonje, gouvernements Jaroslavij. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 497-504. 1929 (Rec'd My.1930) no.5/6.

Russian with German summary.

Saint-Yves, A.

Festuca hybrides. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 593-608. illus. 1929 (Rec'd My.1930) no.5/6.

Syreishchikov, D. P.

... Nouvelles especes de l'est de la Crimée, suivies des notes critiques. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 525-534. 1929 (Rec'd My.1930) no.5/6.

Russian with French summary.

Wolf, E.

... Salix schwerini Egb. Wolf. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 28: 421-429. 1929 (Rec'd My.1930) no.3/4.

Russian with Latin diagnosis.

Izv. Tomsk. Gosud. Univ. (Trans. Tomsk State Univ.)

Reverdatto, V. V.

... Die steppen am Abakan und die irrigationsgelände im system des Abakanflusses. Izv. Tomsk. Gosud. Univ. (Trans. Tomsk State Univ.) 81: 159-277. 3 pl., 3 maps. 1929 (Rec'd My.1930)

Russian.

Rozhanets, M.I. & Roshanets-Kucherovskaja, S.E.

... Der boden und das pflanzenreich der umgegend von Tomsk. Izv. Tomsk. Gosud. Univ. (Trans. Tomsk State Univ.) 81: 313-405. maps. 1929 (Rec'd My.1930)

Russian.

Izv. Tomsk. Gosud. Univ. (Trans. Tomsk State Univ.) (cont.)

Shishkin, B.

... Contributiones ad floram Armeniae turicicae. Izv. Tomsk. Gosud. Univ. (Trans. Tomsk. State Univ.) 81: 407-490. 1929 (Rec'd My. 1930)

Russian with German summary and Latin diagnosis of new spec.

Journ. Agr. Res. (Washington, D.C.)

Artschwager, E.

A study of the structure of sugar beets in relation to sugar content and type. Journ. Agr. Res. 40: 867-915. illus., 3 pl. on 2. My.15, 1930. (My.24) no.10.

Black, O.F., Eggleston, W.W. & Kelly, J.W.

Toxicity of Bikukulla formosa (western bleeding-heart) Journ. Agr. Res. 40: 917-920. illus. My.15, 1930 (My.24) no.10.

Brewbaker, H. E.

Linkage studies with "slashed" and "glossy" of the "Bn" linkage group in maize. Journ. Agr. Res. 40: 939-950. illus. My.15, 1930 (My.24) no.10.

Liming, O.N. & Young, H.C.

Toxicity of sulphur to spores of Sclerotinia cinerea as affected by the presence of pentathionic and other sulphur acids. Journ. Agr. Res. 40: 951-962. illus. My.15,1930 (My.24.) no.10.

Journ. Amer. Pharm. Assoc. (Easton, Pa.)

Krantz, J.C. jr.

The effect of certain hypoglycemic drugs upon the growth of the seedlings of Lupinus albus. Journ. Amer. Pharm. Assoc. 19: 458-463. My.1930. no.5.

Journ. Bombay Nat. Hist. Soc.

Biswas, K. P.

Contributions to the knowledge of the fresh water algae of Manipur, Assam. Journ. Bombay Nat. Hist. Soc. 34: 189-192. 2 pl. Mr.1,1930. no.1.

Journ. Bombay Nat. Hist. Soc.(cont.)

Blatter, E.
The flowering of bamboos. II. Journ. Bombay Nat. Hist. Soc. 34: 135-141. Mr.1, 1930. no.1.

Blatter, E.
Revision of the flora of the Bombay presidency. XI. Gramineae. Journ. Bombay Nat. Hist. Soc. 34: 1-26. Mr.1, 1930. no.1.

Blatter, E. & Millard, W.S.
Some beautiful Indian trees. III. Journ. Bombay Nat. Hist. Soc. 34: 83-86. illus., 3 pl. (2 col.) Mr.1, 1930. no.1.
Guaiacum officinale, Millingtonia hortensis.

Robinson, M.
Flowerless plants. III. The lichens. Journ. Bombay Nat. Hist. Soc. 34: 40-45. 3 pl. (1 col.) Mr.1, 1930. no.1.

Journ. Bot. (London)

Augustine Henry (1857-1930). Journ. Bot. 68: 148-149. My.1930. no.809.

Dandy, J. E.
A new Magnolia from Honduras. Journ. Bot. 68: 146-147. My 1930. no.809.
M. yoroconte.

Drabble,E.
Notes on Irish pansies. Journ. Bot. 68: 141-143. My.1930. no.809.

Grove, W. B.
New or noteworthy fungi. XI. Journ Bot. 68: 131-138. illus. My.1930. no.809.
Calonectria minutissima, Cesatiella lancastriensis, Myiocoprom heleocharidis, Clypeolum juniperinum, n.spp.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Ganopetalae. (cont.) Journ.Bot. 68(Suppl.): 129-136. My.1930. no.809.

Journ. Bot. (cont.)

Paulson, R.
Parmelia australiensis Crombie - rediscovered species. Journ. Bot. 68: 129-130. pl.592. My.1930. no.809.

Professor I.P. Borodin. Journ. Bot. 68: 150. My.1930. no.809.

Salter, T.M. & Exell, A.W.
Some new species of Oxalis from South Africa. Journ. Bot. 68: 143-146. My.1930. no.809.
Sir George Watt, C.I.E. Journ. Bot. 68: 149-150. My.1930. no.809.

Taylor, G.
Stylomecon: a new genus of Papaveraceae. Journ. Bot. 68: 138-140. illus. My.1930. no.809.
S.heterophylla (Meconopsis heterophylla)

Journ. Cactus & Succ. Soc. Amer.

Britton, N. L.
The native Cactaceae of Porto Rico and the Virgin Islands. Journ. Cactus & Succ. Soc. Amer. 1: 226-231. Je.1930. no.12.

Frick, G. A.
Euphorbia, section Polygonae. Journ. Cactus & Succ. Soc. Amer. 1: 247-249. illus. Je. 1929. no.12.

Griffiths, D.
The Opuntia basilaris group. Journ. Cactus & Succ. Soc. Amer. 1: 245-246. illus. Je.1930. no.12.

Houghton, A.
Crests and monstrosas. Journ. Cactus & Succ. Soc. Amer. 1: 243-244. illus. Je.1930. no.12.

Walther, E.
Gasteria. Journ. Cactus & Succ. Soc. Amer. 1: 234-238. illus. Je.1930. no.12.

Wright, Y.
Spines. Journ. Cactus & Succ.Soc. Amer. 1: 232-233. illus. Je.1930. no.12.

Journ. Dept. Agr. Ireland. (Dublin)

Murphy, P. A.

Experiments on the control of American gooseberry mildew (1925-1929). Journ. Dept. Agr.Ireland. 29: 188-204. 1930. no.2.

Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.)

Davis, J.H., jr.

Vegetation of the Black Mountains of North Carolina: An ecological study. Journ. Elisha Mitchell Sci. Soc. 45: 291-318. pl. 30-31. My.1930. no.2.

Harvey, J. V.

A taxonomic and morphological study of some members of the Saprolegniaceae. Journ. Elisha Mitchell Sci. Soc. 45: 319-332. Pl.32-33. My.1930. no.2.

Brevilegnia megasperma,n.sp.

Peattie, D. C.

Flora of the Tryon Region. V. Wintergreen family to lobelia family (Pyrolaceae to Lobeliaceae). Journ. Elisha Mitchell Sci. Soc. 45: 245-290. My. 1930. no.2.

Wolf, F. A.

A parasitic alga, Cephaleuros virescens Kunze, on citrus and certain other plants. Journ. Elisha Mitchell Sci. Soc. 45: 187-205. pl.24-28. My. 1930. no.2.

Journ. Frankl. Inst.

Haslam, G.S. & Hall, C.H.

The use of ultra-violet light in the microscopic measurement of particle size. Journ. Franklin Inst, 209: 777-790. illus. Je.1930. no.6.

Journ. Genetics, (London)

Black, W.

Notes on the progenies of various potato hybrids. Journ. Genetics. 22: 27-43. Ap.1930. no.1.

Darlington, C.D.

Studies in Prunus. III. Journ. Genetics. 22: 65-93. Ap.1930. no.1.

Journ. Genetics.(cont.)

Gregor, J.W.

Experiments on the genetics of wild populations. I. Plantago maritima. Journ. Genetics. 22: 15-25., illus. pl.1-2. Ap.1930. no.1.

Newton, W.C.F. & Darlington, C.D.

Fritillaria meleagris: chiasmaformation and distribution. Journ. Genetics. 22: 1-14. Ap. 1930. no.1.

Journ. Hered. (Washington, D.C.)

Buchholz, J.T. & Blakeslee, A.F.

Radium experiments with Datura. I. The identification and transmission of lethals of pollen-tube growth in F_1's from radium-treated parents. Journ. Hered. 21: 119-129. illus. Mr.1930 (My.) no.3.

Reed, G.M.

A new method of production and detecting sorghum hybrids. Journ. Hered. 21: 133-144. illus. Mr. 1930 (My.) no.3.

Tesche, W. C.

Rixford - veteran plantsman. Journ. Hered. 21: 99-106. illus. (incl.ports.) Mr.1930. no.3.

Journ. Imp. Agr. Exp. Sta. Nishigahara, Tokyo.

Enomoto, N.

On the physiological difference between the spring and winter types in wheat and barley. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo. 1: 107-138. pl. x-xii. O.1929 (Rec'd Je.1930) no.2.

Japanese with English résumé.

Onodera, J.

The variability of the development of the mechanical tissue or stereome in leaves of rice, and its correlation to drought resistance. Journ. Imp. Agr. Exp. Sta. Nishigahara, Tokyo. 1: 163-174. illus. O.1929 (Rec'd Je.1930) no.2.

Japanese with English résumé.

Yamasaki, M.

The variation and correlation among varieties of wheat and barley in regard to the resistance to the toxic action of potassium chlorate. Journ. Imp. Agr. Exp.Sta. Nishigahara, Tokyo. 1: 139-162. pl.xiii-xiv. O.1929 (Rec'd Je.1930) no.2.

Japanese with English résumé.

Journ. Roy. Agr. Soc. Engl. (London)
Biffen, R. H.
Annual report for 1929 of the botanist. Journ. Roy. Agr. Soc. Engl. 90: 357-365. 1929.

Just. Liebigs Ann. Chem. (Berlin)
Reindel, F.
Ueber pilzcerebrin. I. Just. Liebigs Ann. Chem. 480: 76-92. My.12,1930. no.1.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)
Sprenger, A. M.
Androcarpie en arrenoidia bij komkommervariëteiten. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 42: 80-82. illus. F.1930. no.501.

Library Journ.
Troy, Z.
Boyce Thompson institute for plant research. Library Journ. 55: 400-405. illus. My.1, 1930. no.9.

Lustgården. (Stockholm)
Almquist, E.
Träd och buskar i Upplands vegetation. Lustgården. 10: 105-140. illus. 1929.

Fries, R. E.
Carl Alex Magnus Lindman, 6/4, 1856 - 21/6, 1928. Lustgården. 10: 202-204. port. 1929.

Malayan Agr. Journ. (Kuala Lumpur)
Sharples, A. & Jorgensen, L.P.
A serious stem-rot of oil palms (Elaeis guineensis). Malayan Agr. Journ. 18: 184-187. Ap. 1930. no.4.
Organism not determined.

Matières Grass. (Paris)
Pieraerts, J.
Contribution à l'étude chimique des légumineuses oléagineuses du Congo belge. I. Le pois corail ou "Adenanthera pavonina" (cont.) Matièr Grass. 22: 8838-8840. My.15, 1930. no. 265.

Mem. Soc. Nat. Sci. Nat. & Math. Cherbourg.

Corbière, L.

Champignons de la Manche I. Basidiomycètes. Mém. Soc. Nat. Sci. Nat. et Math. Cherbourg. 40: 21-284. col.pl. 1929. (Rec'd 1930)

Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B.

Kato, K.

Chromosome arrangment in the meiotic divisions in pollen mother cells of Rhoeo discolor, Hance. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 5: 229-238. illus. Mr.1930. no.2.

Kato, K.

Cytological studies of pollen mother cells of Rhoeo discolor, Hance with special reference to the question of the mode of syndesis. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 5: 139-161. illus., pl. xiii-xiv. Mr.1930. no.2.

Koshimizu, T.

Carpobiological studies of Crinum asiaticum L. var. japonicum Bak. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 5: 183-227. illus., pl xv-xvi. Mr. 1930. no.2.

Maeda, T.

The meiotic divisions in pollen mother cells of the sweet-pea (Lathyrus odoratus L.) with special reference to the cytological basis of crossing-over. Mem. Coll. Sci. Kyoto Imp.Univ. Ser.B. 5: 89-123. illus.,pl.v-xii. Mr.1930. no.2.

Maeda, T.

On the configurations of gemini in the pollen mother cells of Vicia faba, L. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 5:125-137. illus. Mr.1930. no.2.

Nagao, S.

Chromosome arrangement in the heterotype division of pollen mother cells in Narcissus tazetta, L. and Lilium japonicum Thunb. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 5: 163-182. illus. Mr.1930. no.2.

Shinke, N.

On the spiral structure of chromosomes in some higher plants. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 5: 239-245. pl. xvii. Mr.1930. no.2.

Missouri Bot. Gard. Bull. (St.Louis)
Woodson, R.E. jr.
The dogbane: roadside weed and future staple. Missouri Bot. Gard. Bull. 18: 87-104. illus., pl. 14-16. My.1930. no.5.

Nat. Greenkeeper. (Cleveland, O.)
Dickinson, L. S.
A new phase in the control of large brown patch. Nat. Greenkeeper. 4(6): 5-7. illus. Je.1930.

Nature. (London)
Darlington, C. D.
Telosynapsis or structural hybridity in Oenothera? Nature. 125: 743-744. My.17, 1930. no.3159.

Nauchno-Agron. Zhurn. (Journ.Landw. Wiss. Moskva)
Domontovich, M.K. & Zheleznov, P.A.
... Versuche über die ernährung von pflanzen mit kalium und magnesiumsalzen durch die blätter. Nauchno-Agron. Zhurn. (Journ.Landw. Wiss. Moskva) 7: 134-143. illus. 1930. no.2.
Russian with German summary.

New Zeal. Journ. Agr. (Wellington)
Allan, H. H. & Zotov, V.D.
The canary grasses in New Zealand. New Zeal. Journ. Agr. 40: 256-264. incl.2 pl. Ap.22, 1930. no.1.
Phalaris.

Northwest Science. (Cheney)
Wyckoff, S. N.
Development of blister rust control in the inland empire. Northwest Science. 4: 48-50. Je. 1930. no.2.

Obst- u. Gemüseb. (Berlin)
Braun,
Einiges von der Fusicladium- und obstmadenbekämpfung am bodensee. Obt- u. Gemüseb. 76: 77-80. illus. My.21, 1930. no.5.

Ludwigs, K.
Der einfluss niederer temperaturen auf die entwicklung der gemüse. Obst- u. Gemüseb. 76: 74-76. My.21, 1930. no.5.

Obst- u. Gemüseb. (cont.)

Müller, K. R.

Ergebnisse einiger versuche zur bekämpfung des zwiebelrotzes. Obst- u. Gemüseb. 76: 72-74. illus. My.21, 1930. no.5.

Papers & Proc. R. Soc. Tasmania. (Hobart)

Rodway, L. & Cleland, J.B.

Notes on the genus Poris no.3. The Australian Porias and Piria-like fungi with hyphae not deeply coloured. Papers & Proc. Roy. Soc. Tasmania. 1929: 7-24. Mr.19, 1930.

Parfums France. (Grasse)

Le patchouli. Perfums France. 8: 97-100. illus. Ap.1930. no.86.

Signed B.T.

Philipp. Journ. Sci. (Manila)

West, A.P. & Taguibao, H.

Philippine eucalyptus oil. Philipp. Journ. Sci. 42: 1-10. pl. 1-2. My.1930. no.1.

Phytopath.

Angell, H.R., Walker, J.C. & Link, K.P.

The relation of protocatechuic acid to disease resistance in the onion. Phytopath. 20: 431-438. My.1930. no.5.

Butler, O. & Jenkins, R.R.

Effect on plants of cyanide fumigation following spraying with bordeaux mixture. Phytopath. 20: 419-429. illus. My.1930. no.5.

Eddins, A.H.

Dry rot of corn caused by Diplodia macrospora Earle. Phytopath. 20: 439-448. illus. My.1930. no.5.

Fritz, C.W.

A new method of sterlizing wood blocks to be used for the culture of wood-inhabiting fungi. Phytopath. 20: 449-450. My. 1930. no.5.

Phytopath. (cont.)

Jenkins, A. E.

Additional data on the distribution of two species of Sphaceloma. Phytopath. 20: 450 451. My.1930. no.5.

Reddy, C.S. & Burnett, L.C.

Development of seed treatments for the control of barley stripe. Phytopath. 20: 367-390. My. 1930. no.5.

Wilcoxon, F. & McAllan, S.E.A.

The fungicidal action of sulphur. I. The alleged role of pentathionic acid. Phytopath. 20: 391-417. illus. My.1930. no.5.

Proc. Arkansas Hort. Soc.

Dunegan, J. C.

Fungicides for apples -- control versus injury. Proc. Arkansas Hort. Soc. 50: 38-40. 1929.

Young, V. H.

Results of grape spraying for black rot, 1929. Proc. Arkansas Hort. Soc. 50: 35-38. 1930.

Proc. Biol. Soc. Washington.

Hitchcock, A. S.

Fifteen new species of grasses, six from Africa, nine from China. Proc. Biol. Soc. Washington. 43: 89-96. Je.5, 1930.

Maxon, W.R.

Fern miscellany. Proc. Biol. Soc. Washington. 43: 81-88. Je.5, 1930.

Payson, E.B. & St.John, H.

The Washington species of Draba. Proc. Biol. Soc. Washington. 43: 97-122. Je.5, 1930.

Proc. Ohio State Hort. Soc.

Ballou, F.H. & Lewis, I.P.

Reducing injury to fruit and foliage by proper selection of sprays. Proc. Ohio State Hort. Soc. 63(1930): 80-102. [1930]

Ballou, F. H. & Lewis, I.P.

Spraying and dusting experiments for the season of 1928. Proc. Ohio State Hort. Soc. 62(1929): 59-72. [1929] (Rec'd My.1930)

Proc. Ohio State Hort. Soc. (cont.)

Dickey, M. G.
My experiences in controlling Brooks' fruit spot. Proc. Ohio State Hort. Soc. 62(1929): 81-85. [1929] (Rec'd My.1930)

Dutton, C. E.
Use of shredded oil paper for control of apple scald in the storage of apples. Proc. Ohio State Hort. Soc. 62(1929): 226-228. [1929] (Rec'd My.1930)

Ellenwood, C.W.
The amount of spray solution required per tree and cost of spraying. Proc. Ohio State Hort. Soc. 63(1930): 40-50. [1930]

Gourley, J. H.
Some factors which influence color of fruit. Proc. Ohio State Hort. Soc. 63(1930): 75-79. [1930]

Pierstorff, A. L.
Fruit diseases and control recommendations. Proc. Ohio State Hort. Soc. 63(1930): 27-33. [1930]

Young, H. C.
Brooks' fruit spot. Proc. Ohio State Hort. Soc. 62(1929): 78-80. [1929] (Rec'd My.1930)
Mycosphaerella pomi.

Young, H. C.
New dust combinations for apple scab control. Proc. Ohio State Hort. Soc. 62(1929): 73-77. [1929] (Rec'd My.1930)

Proc. Potato Assoc. Amer.

Clark, C.F.
Report on potato breeding in 1929. Proc. Potato Assoc. Amer. 16(1929): 190-194. 1930.

Denney, F.E.
Prevention of sprout-tuber (or "kindel""-tuber) formation by chemical treatment. Proc. Potato Assoc. Amer. 16(1929): 83-87. illus. 1930.

Proc. Potato Assoc. Amer. (cont.)

Gratz, L.O.
Potato dusting and spraying experiments in Florida from 1924 to 1928. Proc. Potato Assoc. Amer. 16(1929): 146-154: 1930.

Gratz, L.O.
Seed-potato treatments in Florida from 1924 to 1929. Proc. Potato Assoc. Amer. 16(1929): 136-146. 1930.

Kotila, J. E.
Roguing and potato virus disease control. Proc. Potato Assoc. Amer. 16: 164-168. 1930.

Krantz, F.A. & Bailey, R.M.
Relative productivity of certain types of potato seedling populations. Proc. Potato Assoc. Amer. 16(1929): 56-63. 1930.

McCall, T.M.
The effects of certain cultural practices on the transmission of virus disease of the potato. Proc. Potato Assoc. Amer. 16(1929): 161-163. 1930.

MacLeod, D.J. & Richardson, J.K.
Some preliminary experiments with Burgundy mixture in New Brunswick. Proc. Potato Assoc. Amer. 16(1929): 154-160. 1930.

Stuart, W.
An historical résumé of the development of the potato since its discovery. Proc. Potato Assoc. Amer. 16: 7-55. 1930.

Vincent, C. L.
Potato breeding problems. Proc. Potato Assoc. Amer. 16: 63-69. 1930.

Weiss, F.
Report on potato disease research in 1929. Part of report of Research Committee, Potato Association of America, 1929. Proc. Potato Assoc. Amer. 16(1929): 197-200 1930.

Progr. Agr. & Vitic. (Montpellier)

Ravaz, L.

Sur le court-noué. Progr. Agr. & Vitic. 47: 469-471. col.pl. My.18, 1930. no.20.

Protoplasma. (Leipzig)

Boas, F.

Zur kenntnis der wirkung von gallensalzen auf die zelle. Protoplasma. 9: 428-440. illus. Ap.1930. no.3.

Gicklhorn, J. & Möschl, L.

Vitalfärbung und vakuolenkontrakton an zellen mit stabilem plasmaschaum. Protoplasma. 9: 521-535. illus. My1930. no.4.

Experiments with Cladophora.

Höfler, K. & Stiegler, A.

Permeabilitätsverteilung in verscheidenen geweben der pflanze. Protoplasma. 9: 469-512. illus. Ap. 1930. no.3.

Gentiana sturmiana.

Ingold, C. T.

Hydrogen-ion phenomena in plants IV-VI. Protoplasma. 9: 441-446, 447-455, 456-458. illus. Ap.1930. no.3.

IV. Buffers of potato (tuber and leaf) V. The buffer system of plant juices. VI. Apparatus for measuring the efect of carbon dioxide on the reaction of plant sap.

Krassinsky, N.

Ueber jahreszeitliche änderungen der permeabilität des protoplasmas. Protoplasma. 9: 622-631. My1930. no.4.

Vorläufige mitteilung.

Monschau, M.

Untersuchungen über das kernwachstum bei pflanzen. Protoplasma. 9: 536-575. My11930. no.4.

Stiles, W.

On the cause of cold death of plants. Protoplasma. 9: 459-468. Ap.1930. no.3.

Protoplasma (cont.)

Umrath, K.

Untersuchungen über plasma und plasmaströmung an characeen. IV. Potentialmessungen an Nitella mucronata mit besonderer berücksichtigung der erregungserscheinungen. Protoplasma. 9: 576-597. illus. My.1930. no.4.

Publ. Puget Sound Biol. Stat. (Seattle, Wash.)

Gran, H.H. & Thompson, T.G.

The diatoms and the physical and chemical conditions of the sea water of the San Juan Archipelago. Publ. Puget Sound Biol. Stat. 7 : 169-204. Ap.15, 1930.

Lund, E.J.

Internal distribution of the electric correlation potentials in the Douglas fir. Publ. Puget Sound Biol. Stat. 7: 259-287. illus. Ap.15,1930.

Quart. Circ. Rubber Res. Scheme Ceylon.

Murray, R.K.S.

A disease of young bud-shoots caused by Phytophthora palmivora, Butler. Quart, Circ. Rubber Res. Scheme. Ceylon. 7: 10-12. 1 pl. Ap.1930. no.1.

Quart. Journ. Rubber Res. Inst. Malaya.

Rhodes, E.

Brown bast. Some considerations as to its nature. Quart. Journ. Rubber Res. Inst. Malaya. 2: 1-11. Mr.1930. no.1.

Sanderson, A. R.

Some observations on the mildew leaf disease of Hevea brasiliensis due to Odium hevea. Quart. Journ. Rubber Res. Inst. Malaya. 2: 16-30. Mr. 1930. no.1.

Sutcliffe, H.

Internal fissures in Hevea cortex. Quart. Journ. Rubber Res. Inst. Malaya. 2: 12-15. 9 pl. on 5. Mr.1930. no.1.

Rep. Dept. Agr. Antigua.

Ashby, S. F.

Gumming disease of sugar cane. Rep. Agr. Dept. Antigua. 1928/29: 10-12. 1930.

Rep. Dept. Agr. Dominica.

Ashby, S. F.

Report of ... visit to Dominica [to investigate the so-called red root disease of limes]. Rep. Agr. Dept. Dominica. 1928/29: 5-6. 1929.

Due to weather injuries, Sphaerostilbe repens and other fungi found must be regarded as saprophytes.

Rev. Agr. Puerto Rico. (San Juan)

Rodriguez. F. J.

"El mosaico" enfermedad del tabaco. Rev. Agr. Puerto Rico. 15: 150, 176, Ap.1930. no.10.

Part of a series of articles on tobacco.

Rev. Gén. Sci. (Paris)

Beauverie, J.

L'ancienneté et la phylogénie des plantes a fleurs. Rev. Gén. Sci. 41: 269-278. illus. My.15, 1930. no.9.

Rev. Hort. (Paris)

Guillaumin, A.

Les cactées, principales espéces. (cont.) Rev. Hort. 102: 105-106. illus. My.16,1930. no.5.

Lesourd, F.

Les plus gros arbres de France. Première parte: Feuillus (cont.) Rev. Hort. 102: 108-109. illus. My.16, 1930. no.5.

Liquidambar orientalis, L. styraciflua, Ilex aquifolium, I. aquifolium var. pendula.

Rev. Soc. Colombiana Cienc. Nat. (Bogota)

Toro, R.A.

Una contribución a nuestro conocimiento de la flora de San Andrés y Providencia (Seguanda parte) Rev. Soc. Colombiana Cienc. Nat. 19: 56-58. Ap./My.1930. no.105.

Riv. Patol. Veg. (Pavia)

Gioelli, F.

Sopra un caso di cascola dei frutti di mandarino. Riv. Patol. Veg. 20: 73-77. illus. Mr./Ap. 1930. no.3/4.

Lindegg, G.

La golpe bianca del culmo di grano. Riv. Patol. Veg. 20: 79-85. illus. Mr./Ap.1930. no.3/4.

Science. (Lancaster, Pa.)
Tehon, L.R.
An improved design for a simple laboratory plant-drier. Science. 71: 563-564. illus. My. 30,1930. no. 1848

Sci. Rep. Agr. Res. Inst. Pusa.
McRae, W.
Report of the imperial mycologist. Sci. Rep. Agr. Res. Inst. Pusa. 1928/29: 51-66. 1930.

Sci. Rep. Tohoku Imp. Univ. 4. Ser.(Biol. (Sendai)
Okada, Y.
Study of Eruyale ferox Salisb. V. On some features in the physiology of the seed with special respect to the problem of the delayed germination. Sci.Rep. Tohoku Imp. Univ. 4. Ser.(Biol.), 5: 41-116. pl.v. Ap.1930. no.1.

Trans. & Proc.New Zeal, Inst.(Wellington, N.Z.)
Carse, H.
Botanical notes, new species and new hybrids. Trans. & Proc. New Zeal. Inst. 60: 571-574. Mr.31, 1930. no.4.

Hodgson, E.A.
Notes on the apical gemmae of Tortula abruptinervis. Trans. & Proc. New Zeal. Inst. 60: 544-546. illus. Mr.31,1930. no.4.

Laing, R.M.
A reference list of New Zealand marine algae. Trans. & Proc. New Zeal. Inst. 60: 575-583. Mr. 31. 1930. no.4.

Lancaster, T.L.
On the occurrence of Lemna oligorrhiza Kurz in New Zealand. Trans. & Proc. New Zeal. Inst. 60: 563-564. pl.63. Mr.31, 1930. no.4.

Thomson, G. M.
Charles Chilton, 1860-1929. Trans. & Proc. New Zeal. Inst. 60: 584-587. port. Mr.31, 1931. no.4.

Wild, G. V. & Zotov, V.D.
Notes on sexual expression in certain species of New Zealand Coprosomas. Trans. & Proc. New.Zeal. Inst. 60: 547-556. illus. Mr.31,1930. no.4.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (Leningrad)

Doroshenko, A.V., Karpechenko, E.D. & Nesterov, E.I, ... Influence of the length of day on tuber set in potatoes and several other plants. Trudy Prikl. Bot., Gen. 8 Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 31-60. illus. 1930.

Russian with English summary.

Ullucus and Oxalis besides potato.

Doroshenko, A. V.
... The influence of X-rays on the length of the vegetation period pf plants. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 511-535. illus. 1930.

Russian with English summary.

Flerov, K. V., Brokert, P.G. & Levin. D. I.
... Agrochemical characteristics of drought resistant varieties of cultivated plants. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 111-154. 1930.

Russian with English summary.

Kondo, I.N.
... An attempt to determine the comparative resistance of plants to soil drought by means of the wilting method. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 349-391. 1930.

Russian with English summary.

Kurbatov, V.I. & Glückman, S.A.
... Contributions to the question of seed-stimulation. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 155-298. illus. 1930.

Russian with English summary.

Kuz'min, S.P.
... Water balance and drought-resistance of plants of the Apsheron peninsula in connection with peculiarities in the structure of their root systems. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 393-426. 1930.

Russian with English summary.

rudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) (cont.)

Lebedintseva, E. V.

... A study of water-retaining capacity in relation to drought and frost resistance. Trudy Prikl. Bot., Gen. i Sele. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 1-30. 1930.

Russian with English summary.

Maksimov, N.A. & Krotkina, M.A.

... Investigation on the after-effect of low temperature on the length of the vegetation period. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 427-478. 1930.

Russian with English summary.

Oats and hairy vetch.

Moshkov. B.S.

... On the question of photoperiodism of certain woody species. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(2): 479-510. illus. 1930.

Russian with English summary.

Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) (Tashkent)

Kul'tiasov, M.V.

... Materialen sur kenntnis der Turkestanischen arten der gattung Cousinia. Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) VIII-b, Bot., f.7. 28 p. illus. 1929 (Rec'd Ap.1930).

Latin diagnosis.

Kul'tiasov, M.V.

Enumeratio specierum g. Cousinia a cl. Czerniakowska a. 1924 et 1925 in Persia collectarum. Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) VIII-b, Bot. f.7, 7 p. illus. 1929 (Rec'd Ap.1930).

.S. Dept. Agr. Off. Rec.

Kearnêy, T.H.

Department develops new cotton of Egyptian type. U.S. Dept. Agr. Off. Rec. 9(20): 2. My22, 1930.

Cross of Arizona Pima and Egyptian Sakel.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)

Goodspeed, T.H.

Occurrence of triploid and tetraploid individuals in x-ray progenies of Nicotiana tabacum. Univ. Calif. Publ. Bot. 11: 299-308. illus. My.22, 1930. no.17.

Univ. Calif. Publ. Zool.

Brooks, M.

Studies on the permeability of living cells. XI. The penetration of thionine into Valonia. Univ. Calif. Publ. Zool. 33: 287-290. Mr.31. 1930. (Rec'd My.) no.12.

Vierteljahrsschr. Naturf. Ges. Zürich.

Furrer, E.

Abruzzesische hieracien. Vierteljahrsschr. Naturf. Ges. Zurich. 74: 225-233. D.31, 1929. (Rec'd. My.1930) no.3/4.

Irigoyen, L.H. & Thellung, A.

Etude sur le Polygonum lapathifolium L. en Amérique du Nord avec quelques considérations sur cette espèce en Argentine. Vierteljahrsschr. Naturf. Ges. Zürich. 74: 244-253. 15 pl. on 8. D., 31, 1929 (Rec'd My. 1930) no.3/4.

Zapiski Gosud. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) (Ialta)

Grigorieva, A.P.

... Die anatomische struktur der nadeln von Pinus pithyusa und verwandter arten. Zapiski Gosud. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) 11: 69-74. illus. 1930. no.2.

Russian with German summary.

Maleev, V. P.

... Relikt-endemismus der Taurischen flora. Zapiski Gosud. Nikitsk. Opytn. Bot. Sada. (Journ. Gov. Bot. Gard. Nikita) 11: 47-62. 1930. no.2.

Russian with German summary.

Vasiliev. V.F.

... Kritische übersicht einiger arten der gattung Pflomis. Zapiski Gosud. Nikitsk. Opytn. Bot. Sada. (Journ. Gov. Bot. Gard. Nikita) 11: 63-68. 1930. no.2.

Russian with German summary.

Zapiski Gosud, Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot.Gard. Nikita. (cont.)

Zirina, T. S.

... Die vegetationsverhältnisse der bergkette Agarmisch. Zapiski Gosud. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) 11: 31-46. 1930. no.2.

Russian with German summary.

Zapiski Semenoved. (Ann. Essais Semences Leningr.)

Kamanskii, K. V.

Methoden zur feststellung der panzerschicht bei achänen verschiedener arten von Helianthus annuus. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 7: 13-18. illus. 1929 (Rec'd My.1930) no.1.

Russian with German summary.

Kamenskii, K. V.

... Neues "unkraut" des Sibirischen weizens. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 7: 19-22. illus. 1929 (Rec'd My.1930) no.1.

Russian with French summary.

Sclerotinia libertiana.

Predtechenskaja, A. A.

... Observations sur la faculté germinative des semences à immergées dan l'eau. Zapiski Semenoved. Ann. Essais Semences Leningr.) 7: 3-12. 1929 (Rec'd My.1930) no.1.

Russian with French summary.

Vasil'chenko, I.T.

... Notes sur Neslia apiculata C.A. Mey. et Neslia paniculata Desv. sur le territoire de l' U.R.S.S. Zapiski Semenoved. (Ann. Essais Semences Leningr.) 7: 23-32. illus. 1929 (Rec'd My.1930) no.1.

Russian with French summary.

Exper. Stat. Publ.

Riley, J. E. jr.

White pine blister rust control in Connecticut. Connecticut Agr. Exp. Stat. Bull. 314: 455-457. illus. Ap.1930 (Rec'd My.)

Exper. Stat. Publ. (cont.)

Burkholder, W. H.

The bacterial diseases of the bean, a comparative study. Cornell Agr. Exp. Stat. Mem. 127. 88 p. illus., vi pl. on 4 (1 col.) Ap.1930. (Rec'd Je.)

Phytomonas phaseoli, P. phaseoli var. fuscans, P. flaccumfaciens, P. medicaginis var phaseolicola P. vignae var. leguminophila (n.var.), P.viridiflava, (n.sp.)

Nightingale, G.T., Schermerhorn, L.G. & Robbins, W.R.

Some affects of potassium deficiency on the histological structure and nitrogenous and carbohydrate constituents of plants. New Jersey Agr. Exp. Stat. Bull. 499. 36 p. illus. Ap.1930.

State Publications.

Glenn, P.A.

[Report of] Division of plant industry - plant inspection. Ann. Rep. Dept. Agr. Illinois. 12(1928-29): 17-23. 1929 (Rec'd My.1930)

New Books.

Pinner, L.

Weizen aus der Oase Feiran. In Bodenheimer, F.S. & Theodor, O. Ergebnisse der Sinai-expedition 1927. Leipzig, 1929. p.129-132.

Warburg, O.

Bemerkungen über die tamarisken des Sinaigebirges sowie der Sinaihalbinsel. In Bodenheimer, F. S. & Theodor, O. Ergebnisse der Sinai-expedition 1927. Leipzig, 1929, p.133-140.

Marchionatto, J. B.

La presencia de la Plasmodiophora brassicae en la República Argentina. In Buenos Aires. Universidad. Facultad de agronomia y veterinaria...XXV aniversario. Buenos Aires, 1929. p.173-177. illus.

Parodi, L. B.

Observaciones sobre la vegetación de las islas cercanas al puerto de San Nicolás. In Buenos Aires. Universidad. Facultad de agronomia y veterinaria... XXV aniversario. Buenos Aires, 1929. p.75-94. incl. pl.i-vi.

New Books. (cont)

Paulsen, E. F.

Ensayos sobre la influencia de la concentration de los iones hidrogeno en la germinación y el primer periodo de vegetación del maiz. In Buenos Aires. Universidad. Facultad de agronomia y veterinaria... XXV aniversario. Buenos Aires, 1929. p.113-128. illus.

Reichert, F.

Contribución al conocimiento de la madera de Coihue. (Nothofagus dombeyi). In Buenos Aires. Universidad. Facultad de agronomia y veterinaria. ... XXV aniversario. Buenos Aires, 1929. p.95-111. illus.

Darnell, A. W.

Orchids for the outdoor garden. A descriptive list of the world's orchids that may be grown outdoors in the British Isles. Ashford, Kent, L. Reeve & Co., 1930.

Harnisch. O.

Die biologie der moore. Stuttfart, E.Schweizerbart'sche verlagsbuchhandlung, 1929 (Die binnengewässer ... hrsg. von Dr. A. Thienemann. bd.VII).

Mayer, G. G.

Der einfluss verschiedener nährstoffzuführung auf das längenwachsthum isolierter wurzeln. Giessen, Brühl'sche universitats-buch- und steindruckerei, R.Lange, 1929.

Inaug,-diss. Giessen.

Salomon, C.

Botanisches und gärtnerisches wörterbuch für gärtner und gartenfreunde. 8., wesentlich verm. aufl. von Ernst Schelle. Stuttgart, E. Ulmer, 1929.

Thierfelder, H. & Klenk, E.

Die chemie der cerebroside und phosphatide. Berlin, J. Springer, 1930, (Monographien aus dem gesamtgebiet der physiologie der pflanzen und der tiere 19.bd.)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY
RECEIVED
★ JUL 7 1930 ★
U. S. Department of Agriculture

Vol. 12, no. 13. Je.9-21,1930.

Agr. Journ. India. (Calcutta)

Deerr, N.

Results and object lessons from a half century of cane breeding. Agr. Journ. India. 25: 100-103. Mr.1930, no.2.

Paper read at Indian Sci. Congress, Allahabad, Ja.1930.

Hector, G. P.

Agricultural and botanical classification of rice in Bengal. Agr. Journ. India. 25: 150-153. Mr.1930. no.2.

Paper read at Indian Sci. Congress, Madras, Ja.1930.

Inamdar, R. S. & Singh, B. N.

The growth of the cotton plant in India. II. Agr. Journ. India. 25: 117-125. Mr.1930. no.2.

II. The predetermination of subsequent growth variability and variation in the "growth resistance potential" at the early seeding phase (as studied by a quantitative analysis of growth data in different seasons), and its explanation in terms of external factors (temperature) and internal conditions (hydration of growing tissue).

Abstracts of papers before Indian Sci. Congr. Ja.1930.

Pillai, T.R.N., De, P.K., Paramasivan, C.V., Ganesha Rao, M., Rafay, S.A. & Sathe, T.R.

Utilization of waste vegetation. Agr. Journ. India. 25: 143-149. Mr.1930. no.2.

Pt.I. Preliminary study of Lantana camara Linn.

Thomas, R. & Venkatraman, T.S.

Sugarcane-sorghum hybrids. Agr. Journ. India. 25: 164. Mr.1930. no.2.

Amer. Journ. Bot.

Arthur, J.M., Guthrie, J.D. & Newell, J.M.
Some effects of artificial climates on the growth and chemical composition of plants. Amer. Journ. Bot. 17: 416-482. illus. My.1930. no.5.

Denny, F.E., Miller, L.P. & Guthrie, J.D.
Enzym activities of juices from potatoes treated with chemicals that break the rest period. Amer. Journ. Bot. 17: 483-509. My.1930. no.5.

Dunlap, A. A.
The total nitrogen and carbohydrates, and the relative rates of respiration, in virus-infected plants. Amer. Jour. Bot. 17: 348-357. illus. My.1930. no.5.

Hoppaugh, K. W.
A taxonomic study of species of the genus Vaucheria collected in California. Amer. Journ. Bot. 17: 329-347. illus.,pl.xxiv-xxvii. My.1930. no.5.

LeVan, W. C.
The effect of metals on the respiration of Lupinus elbus. Amer. Journ. Bot. 17: 381-395. illus. My.1930. no.5.

Munz, P.A.
Studies on Onagraceae. V. The North American species of the subgenera Lavauxia and Megapterium of the genus Oenothera. Amer. Journ. Bot. 17: 358-370. My.1930. no.5.

Reid, M. E.
Growth and nitrogen metabolism of squash seedlings. II. With respect to stages of development and the influence of light. Amer. Journ. Bot. 17; 396-415. pl.xxix. My. 1930. no.5.

Weatherwax, P.
The endosperm of Zea and Coix. Amer.Journ. Bot. 17: 371-380. illus., pl.xxviii. My.1930. no.5.

Angew. Bot. (Berlin)

Chappuzeau, B.
Untersuchungen über die bedeutung von licht, feuchtigkeit und korngrösse bei der kleekimung. Angew. Bot. 12: 99-162. Mr./Ap. 1930. no.2.

Angew. Bot.(cont.)
Flaksberger, C.
Ursprungszentrum und geographische verbreitung des spelzes (Triticum spelta L.). Angew. Bot. 12: 86-99. Mr./Ap. 1930. no.2.

Kühl, R.
Beiträge zur frage des keimverhaltens der steinbrandsporen nach anwendung verschiedener mengen von trockenbeizmitteln. Angew. Bot. 12: 162-169. Mr./Ap. 1930. no.2.

Ann. Mus. Colon. Marseille.
Jumelle, H.
Les Moringa de Madagascar. Ann. Mus. Colon. 38(IV,8). no.1. 20 p. illus. 1930. no.1.
Moringa drouhardi n.sp.

Ann. Mycol. (Berlin)
Derx, H. G.
Étude sur les Sporobolomycètes. Ann. Mycol. 28: 1-23. pl.i. 1930. no.1/2.
Establishes family: Sporobolomycètes incl. Sporobolomyces and Bullera (nov.gen.)

Sartory, A., Sartory, R. & Meyer, J.
Etude d'une mucédinée nouvelle (Rhizomorpha melolonthae" isolée du tube digestif du Hanneton commun (Melolontha vulgaris). Ann. Mycol. 28: 24-28. illus. 1930. no.1/2.

Sydow, H.
Fungi venezuelani. Ann. Mycol. 28: 29-224. 1930. no.1/2.

Wilson, M.
The distribution of Puccinia mirabilissima (Peck) in Europe and the occurrence of an aecidium provisionally assigned to this species. Ann. Mycol. 28: 225-229. 1930. no.1/2.

Ann. Chim. Appl. (Roma)
Aggradi, M.
Sulle temperature di congelamento delle pere e delle mele. Ann. Chim. Appl. 20: 188-196. illus. My.1930. no.5.

Bottini, E.
Sulle sostanze atte a provocare il riscaldo nelle pere. Ann. Chim. Appl. 20: 181-187. 3 col. pl. My. 1930. no.5.

Ann. Chim. Appl.(cont.)

Cortese, D.

Sulle concentrazione in joni-idrogeno (Ph) dei succhi delle pere durante la maturazione. Ann. Chim. Appl. 20: 197-204. fold.tab. My.1930. no.5.

Padovani, C. & Mariotti, A.

Sopra l'origine e la formazione dell'acido acetico del liquido pirolegnoso. - Nota II. Ann. Chim. Appl. 20: 205-210. My.1930. no.5.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Bobilioff, W.

Over het uitstorten van latex bij Hevea-oculaties (On the exudation of latex observed on oculations of Hevea). Arch. Rubbercult. Nederl.-Ind. 14: 215-222. illus. My.1930. no.5.

English summary.

Mededeelingen van het Proefstation voor rubber no.56.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Rome)

Colla, S.

Variazioni del contenuto in O_2 nelle vesciche idrostatiche di alcune alghe brune. Nota preliminare. Atti R. Accad. Naz. Lincei VIII, Rend. Cl. Sci. Fis. Mat. e Nat. 11: 614-618. illus. Mr.16,1930. no.6.

Curzi, M.

Prime osservazioni su la mutazione di un ifomicete. Atti R. Accad. Naz. Lincei VIII, Rend. Cl. Sci. Fis. Mat. e Nat. 11: 506-508. Mr.2,1930. no.5.

Rivera, V.

Onde cosmiche e moltiplicazione cellulare (semi germinanti). Atti R. Accad. Naz. Lincei VIII, Rend. Cl. Sci. Fis. Mat. e Nat. 11: 527-530. Mr.2, 1930. no.5.

Rivera, V.

Sulla azione biologica della radiazione penetrante (raggi cosmici o ultra - y) sopra lo sviluppo di semi di vegetali terrestri. Nota. II. Atti R. Accad. Naz. Lincei VIII, Rend. Cl. Sci. Fis. Mat. e Nat. 11: 612-613. Mr.15,1930. no.6.

Biochem. Zeitschr. (Berlin)
Kokin, A. J.
Die dynamik der kohlenhydrate in früchten im laufe ihrer entwicklung und ihres reifens auf dem baume. Biochem. Zeitschr. 221: 17-28. My.12, 1930. no.1/3.

Bol. Centro Nac. Agr. Costa Rica.
Nuñez, E.J.
Cultivo de la caña de azucar. Bol. Centro Nac. Agr. Costa Rica. 6. 24 p. illus. Ap.1930.

Bull. Agence Gén. Colon. France. (Paris)
Heim de Balsac, F., Delhotel, E., Heim de Balsac, H., Lefèvre, L. & Parveaud, A.
Fruit, graine et huile de "cam" d'Annam (Parinarium annamense Hance - rosacées). Bull. Agence Gén. Colon. France. 23: 310-321. iii pl. My.1930. no.256.

Bull. Imp. Inst. Agr. Res. Pusa.
Shaw, F.J.F. & Bose, R.D.
List of publications on the botany of Indian crops. Bull. Imp. Inst. Agr. Res. Pusa. no.202. 256 p. 1930.

Bull. Mens. l'Agence Écon. l'Afrique Occid. Franç. (Paris)
Aubreville,
Le Niangon. Bull. Mans. l'Agence Écon. l'Afrique Occid. Franç. 11: 49-52. illus. F.1930. no.110.
Cola proteiformis.

Martineau,
Détermination botanique des Entandrophagma de la Côte d'Ivoire. Bull. Mens. l'Agence Econ. l'Afrique Occid. Franç. 11: 49. F.1930. no.110.
Tiama (E. macrophyllum), sipo (E. utilis), kosipa (E.candollei), aboudikro (E. cylindricum)

Bull. Mens. Soc. Nat. Hort. France. (Paris)
Maire, R.
Les plantes les plus remarquables observées pendant le Congrès. Bull. Mens. Soc.Nat. Hort. France. V,3: 187-191. Ap.1930.
"Les plantes observées au sud de Laghouat". (Algeria)

Bull. New Zeal. Dept. Sci. & Industr. Res.

Tiller, L. W.

Relation of storage temperature to the overseas carriage of some varieties of New Zealand export apples. Bull. New Zeal. Dept. Sci. & Industr. Res. no.23. 16 p. 1930.

Bull. Soc. Bot. France. (Paris)

Allorge, Mme.V.G. & Allorge, P.

D.Antonio Casares-Gil. (1872-1929). Bull. Soc. Bot. France. 76: 961-963. F.12,1930. no.9/10.

Benoist, R.

Descriptions d'espèces nouvelles d'acanthacées de Madagascar. Bull. Soc. Bot. France. 76: 1031-1038. F.12,1930. no.9/10.

Achyrocalyx nov.gen., A. decaryi, Danguya nov. gen., D. pulchella, new spec. in Barleria & Hypoestes. Forsythiopsis minor, Anisotes madagascariensis n.spp.

Bouly de Lesdain, M.

Quelques graminées des environs de Dunkerque. Bull. Soc. Bot. France. 76: 780-785. D.20,1929. (Rec'd Je.1930). no.7/8.

Burollet, P.A.

Remarques sur quelques synanthérées adventices. Bull. Soc. Bot. France. 76: 758-764. D.20,1929. (Rec'd Je.1930) no.7/8.

Galinsoga aristulata, G. brachystephana, G. parviflora, Siegesbeckia orientalis.

Camus, A.

Espèces asiatiques nouvelles du genre Carpinus. Bull. Soc. Bot. France. 76: 966-969. illus. F.12, 1930. no.9/10.

C. rupestris, C. poilanei,n.spp.

Camus, A.

Un hybride nouveau de Bromus madritensis et B. maximus. Bull. Soc. Bot. France. 76: 596-597. S.25,1929 (Rec'd Je.1930). no.5/6.

Camus, A.

Un nouveau Gigantchloa du Laos. Bull. Soc. Bot. France. 76: 769-771. D.20,1929 (Rec'd Je.1930. no.7/8.

G. multiculmis.

Bull. Soc. Bot. France. (cont.)

Camus, A.
Un x Orchiserapias nouveau pour la France. Bull. Soc. Bot. France. 76: 1028-1030. illus. F.12, 1930. no.9/10.
O. pisanensis (Orchis laxiflora x Serapias neglecta)

Chadefaud, M.
Les physodes des phéophycées et l'instabilité cytoplasmique. Bull. Soc. Bot. France. 76: 1090-1094. F.12, 1930. no.9/10.

Chadefaud, M.
Les physodes des phéophycées, leur coloration vitale et leur structure. Bull. Soc. Bot. France. 76: 777-780. D.20,1929 (Rec'd Je.1930). no.7/8.

Chemin, E.
Le bleu de crésyl comme réactif des iodures. Bull. Soc. Bot. France. 76: 1009-1026. F.12,1930. no.9/10.

Chermezon, H.
Les Scleria malgaches du sous-genre Hypoporum. Bull. Soc. Bot. France. 76: 554-560. S.25,1929. (Rec'd Je.1930). no.5/6.
S. perpusilla, n.sp.

Chevalier, A.
T. Husnot. Sa vie et son oeuvre. Bull. Soc. Bot. France. 76: 569-575. S.25, 1929 (Rec'd Je. 1930) no.5/6.

Choisy, M.
Genres nouveaux pour la lichénologie dans le groupe des lécanoracées. Bull. Soc. Bot. France. 76: 521-527. S.25, 1929 (Rec'd Je.1930). no.5/6.

Dangeard, P.
Sur les chromatophores de l'Acrochaetium caespitosum Naegeli. Bull. Soc. Bot. France. 76: 1043-1048. illus. F.12, 1930. no.9/10.

Douin, C.
Les anomalies et les variations de la nervure chez le Metzgeria furcata Dum. Bull. Soc. Bot. France. 76: 575-596. illus. S.25,1929 (Rec'd Je.1930). no.5/6.

Bull. Soc. Bot. France. (cont.)

Douin, R. & Guinochet, M.

Sur un sporogone double de Polytrichum sexangulare. Bull. Soc. Bot. France. 76: 603-605. illus. S.25,1929 (Rec'd Je.1930). no.5/6.

Feldmann, J.

Note sur quelques algues marines de Banyuls. Bull. Soc. Bot. France. 76: 785-793. illus. D.20, 1929 (Rec'd Je.1930). no.7/8.

Fournier, P.abbé.

Carex silvatica Huds. var. borvonensis P. Fournier. Bull. Soc. Bot. France. 76: 970-971. F.12, 1930. no.9/10.

Fournier, P. abbé.

Le genre Aconitum en France. Bull. Soc. Bot. France. 76: 1076-1079. F.12,1930. no.9/10.

Fournier, P. abbé.

Scutellaria altissima L. aux environs de Paris. Bull. Soc. Bot. France. 76: 1026-1027. F.12,1930. no.9/10.

Franquet, R.

Centaurea aspera L. dans le Cotentin. Bull. Soc. Bot. France. 76: 599-600. S.25,1929. no.5/6.

Gagnepain, F.

Un genre nouveau de gentianacées. Bull. Soc. Bot. France. 76: 776-777. D.20,1929 (Rec'd Je. 1930). no.7/8.

Cracosna; C. xyridiformis n.sp.

Gagnepain, F.

Quelques Liparis nouveaux d'Indo-Chine. Bull. Soc. Bot. France. 76: 514-515. S.25,1929 (Rec'd Je.1930). no.5/6.

L. krempfii, L. poilanei, L. turfosa, n.spp.

Gagnepain, F.

Quelques synonymes de magnoliacées. Bull. Soc. Bot. France. 76: 738-739. D.20, 1929 (Rec'd Je. 1930) no.7/8.

Bull. Soc. Bot. France. (cont.)

Guffroy, C.

Notes sur la flore bretonne. III. Bull. Soc. Bot. France. 76: 1064-1076. F.12,1930. no.9/10.

Hamet, R.

Sur le Sedum indicum (Decaisne) Raymond-Hamet. Bull. Soc. Bot. France. 76: 1099-1110. F.12, 1930. no.9/10.

Jouanne, P.

Essai de géographie botanique sur les forêts de l'Aisne (cont.) Bull. Soc. Bot. France. 76: 972-1009. F.12, 1930. no.9/10.

Edited after Jouanne's death by P. Chouard.

Jovet, P.

Le x Medicago varia Martyn dans le Valois. Bull. Soc. Bot. France. 76: 963-965. F.12,1930. no.9/10.

Kharbush, S. S.

Etude sur le phénomène de la réduction chromatique chez les exobasidiées. Bull. Soc. Bot. France. 76: 560-568. pl.ix. S.25, 1929 (Rec'd Je.1930). no.5/6.

Leandri, J.

Descriptions de Thyméléacées de Madagascar. (Lasiosiphon,Arthrosolen). Bull. Soc. Bot. France. 76: 1039-1043. illus. F.12,1930. no.9/10.

L. humberti, L. linearis, L. decaryi; A. gnidioides.

Le Brun, P.

Contributions à la flore du sud-est de la France. Bull. Soc. Bot. France. 76: 1083-1090. F.12,1930. no.9/10.

Leiris, P.de.

Remarques sur certaines plantes des Hautes-Alpes et sur un cas tératologique en Côte-d'Or. Bull. Soc. Bot. France. 76: 774-776. illus. D.20, 1929. (Rec'd Je.1930). no.7/8.

Geranium divaricatum. Linum alpinum, Scabiosa columbaria (teratology)

Bull. Soc. Bot. France. (cont.)

Loubière, A.
Observations sur l'Odontopteris obtusa de Brongniart. Bull. Soc. Bot. France. 76: 1080-1082. F.12, 1930. no.9/10.

Luizet, D.
Additions à l'é tude des saxifrage de la section des Dactyloides Tausch. Bull. Soc.Bot. France. 76: 764-768. D.20, 1929 (Rec'd Je.1930) no.7/8.

Marnac, E. & Reynier, A.
Une plante de Grèce et d'Asie Mineure dans les Bouches-du-Rhône. Bull. Soc. Bot. France. 76: 606-610. S.25,1929 (Rec'd Je.1930). no.5/6.
Ballota acetabulosa.

Martin-Sans, E.
Fascies chez le Fraxinus excelsior L. Quelques remarques sur la fasciation. Bull. Soc. Bot. France. 76: 740-757. illus. D.20,1929 (Rec'd Je.1930). no.7/8.

Miczynski, C.
Notes systématiques sur le genre Aegilops. Bull. Soc. Bot. France. 76: 713-719. illus., pl.v. D.20,1929 (Rec'd Je.1930). no.7/8.

Morquer, R.
Double réactif des lignines et des celluloses. Bull. Soc. Bot. France. 76: 516-520. S.25,1929. (Rec'd Je.1930). no.5/6.

Mugnier, L.
Rosa mollis en Haute-Marne. Bull. Soc. Bot. France. 76: 600-602. S.25, 1929 (Rec'd Je.1930) no.5/6.

Mugnier, L.
Rubigineuses à pédicelles lisses. Bull. Soc. Bot. France. 76: 1094-1099. F.12, 1930. no.9/10.

Pellegrin, F.
De quatre acajous de la Côte-d'Ivoire. Bull. Soc. Bot. France. 76: 731-737. illus. D.20,1929. (Rec'd Je.1930). no.7/8.
Etandrophragma, E. candollei, E. cyclindricum, E. macrophyllum, E. utile.

Bull. Soc. Bot. France. (cont.)

Pilaud, M.Mlle.

Recherches préliminaires sur les pétales du Chlora perfoliate (Mouvements rythmiques, anatomie, pigment, césium.) Bull. Soc. Bot. France. 76: 541-554. illus. S.25,1929 (Rec'd Je.1930), no.5/6.

Raphélis, A.

Algues du Maroc récoltées par M.J. Gattefossé. Bull. Soc. Bot. France. 76: 719-730. D.20,1929. (Rec'd Je.1930). no.7/8.

Ronniger, K.

Quelques mots à propos de Thymus serpyllum rosellinus P. Fournier. Bull. Soc. Bot. France. 76: 773. D.20,1929 (Rec'd Je.1930). no.7/8.

T. alpestris ssp.oreus.

Sennen, Frère.

A travers l'Espagne. Bull. Soc. Bot. France. 76: 1049-1064. F.12, 1930. no.9/10.

Soo, R.de.

Sur les caractères morphologiques des genres Melampyrum et Rhinanthus et leur valeur systématique. Bull. Soc. Bot. France. 76: 611-622. S.25,1929. (Rec'd Je.1930). no.5/6.

Souèges, R.

Recherches sur l'embryogènie des légumineuses. (cont.) Bull. Soc. Bot. France. 76: 527-540. illus. S.25,1929 (Rec'd Je.1930). no.5/6.

Bull. Wild Flow. Preserv. Soc.

Atwood, A.C., comp.

State and local floras... Annotations by S.F. Blake. Bull. Wild Flow. Preserv. Soc. no.1. 16 p. Ap.30, 1930 (Rec'd Je.)

Centralbl. Bakt. Abt.II. (Jena)

Ashford, B.E. & Ciferri, R.

A new species of Torulopsis: T. nitritophila Cif. and Ashf. Centralbl. Bakt. Abt. II, 81: 63-67. illus. My.20, 1930. no.1/7.

Centralbl. Bakt.Abt.II. (cont.)

Blochwitz, A.
Kulturmethoden fur schimmelpilze. Centralbl. Bakt. Abt.II. 81: 74-79. My.20, 1930. no.1/7.

Ciferri, R. & Ashford, B.K.
A new variety of Torulopsis minuta (Saito) Cif. and Red. Centralbl. Bakt. Abt.II. 81: 60-63. illus. My.20,1930. no.1/7.
T. minuta parvissima.

Fischer, R.
Ueber die durch Bacterium marginatum verursachten gladiolen-krankheiten. Centralbl. Bakt. Abt.II, 81: 80-86. illus. My.20,1930. no.1/7.
Phytopathologische mitteilungen II.

Kostoff, D. & Kendall, J.
Cytology of nematode galls on Nicotiana roots. Centralbl. Bakt. Abt.II. 81: 86-91. pl.i-ii. My.20, 1930. no.1/7.

Molz, E.
Ueber die bekämpfung des rübennematoden (Heterodera schachtii) mit reizphysiologisch wirkenden stoffen. Centralbl. Bakt. Abt.II. 81: 92-103. pl.i-ii. My.20,1930. no.1/7.

Compt. Rend. Acad. Sci. Paris.

Blaringhem, L.
Sur l'hérédité du sexe chez l'ancolie (Aquilegia vulgaris L.) Compt. Rend. Acad. Sci. Paris. 190: 1255-1258. Je.2, 1930. no.22.

Dauphiné, A.
Caractères histologiques de racines développées isolément. Compt. Rend. Acad. Sci. Paris. 190: 1318-1320. Je.2, 1930. no.22.

Guilliermond, A.
Homo- et hétérothallisme chez les levures. Compt. Rend. Acad. Sci. Paris. 190: 1316-1318. Je.2, 1930. no.22.

Compt. Rend. Soc. Biol. Paris.

Fleuret, H.

De l'influence de la germination sur la valeur nutritive de la graine. Compt. Rend. Soc. Biol. Paris. 104: 304-306. My.23, 1930. no.17.

Gonçalves da Cunha, A.

Les chromosomes sont-ils des formations individualisées du noyau cellulaire? Compt. Rend. Soc. Biol. Paris. 104: 429-430. My.30, 1930. no.18.

Ernähr. Pflanze. (Berlin)

Schaarschmidt, W.

Einfluss der ernährung auf die empfänglichkeit der kulturpflanzen für parasitäre krankheiten. Ernähr. Pflanze. 26: 265-269. illus. Je.1/15. 1930. no.11/12.

Flor. Rev. (Chicago)

Chadwick, L. C.

Studies in propagation (cont.) Flor. Rev. 66(1697): 25-26, (1698): 19-20. illus. Je.5,12, 1930.

Rooting softwood stock - Softwood deciduous stock.

Fortischr. Landw. (Vienna)

Scheibe, A.

Ueber den vorgang der wasseraufnahme und die physiologische bedeutung des rohrzuckers beim keimprozess der getreidekörner, dargestellt am hafer. Fortschr. Landw. 5: 386-392. illus. Je.1, 1930. no.11.

Gard. Chron. (London)

Coutts, J.

Lilium macrophyllum. Gard. Chron. III, 87: 455. illus. Je.7, 1930. no.2267.

Friend, H.

Horticulture in relation to commerce. VIII. Chaldea and her neighbours. Gard. Chron. III, 87: 456-457. Je.7,1930. no.2267.

Wales, N.

Notes on some dwarf Ericaceae. Gard. Chron. III, 87: 452-453. Je.7, 1930. no.2267.

Gard. Chron. (cont.)
Ward, F. K.
Three Indo-Himalayan magnolias. Gard. Chron. III,87: 451-452. Je.7, 1930. no.2267.
M. campbellii, (M.mollicomata), M. rostrata, M. globosa (M. tsarongensis)

Hacienda. (New York)
MacLaren, J.R.
En busca de nuevas plantas productoras de caucho. Hacienda. 25: 252-253. illus. Je.1930. no.6.
Summary of North American experiments.

Indische Cult. (Soerbaja)
Kalff, S.
Kamferboomen en kamferhout. Indische Cult. 15: 392-394. My.1, 1930. no.9.

Kamerling, Z.
Bekende en merkwaardige Indische planten in woord en beeld. Indische Cult. 15: 382-391. 2 pl. on 1. My.1, 1930. no.9.
Pepper.

Indische Mercuur. (Amsterdam)
Utermark, W. L.
Het "kapokbesluit" toegelicht. I-VII. Indische. Mercuur. 53: 337, 355-356, 375-376, 399-400,420-421, 443-444, 467-468. illus. Ap.23,-Je.4,1930. no.17-23.
III. Nomenclatuur (Economisch-botanisch en uit den handel). IV. Kapokproductie in Ned.-Indie. V. Kapokproductie in andere landen. VI. Eigenschappen en toepassingen van kapok, VII. Onderzoekingsmethoden.

Intern. Bull. Plant. Prot.
Dusting and steeping of cereal seeds. (cont.) Intern. Bull. Plant Prot. 4: 53-58. Ap.1930. no.4.
Contributions from various countries.

Ital. Agr. (Milan)
Parisi, E. & Cosmo, I.
Ricerche sugli antociani degli "ibridi produttori diretti". Ital. Agr. 67: 272-281. illus. (part.col.) My.1930. no.5.

Ital. Agr. (cont.)

Savelli, R.

Studi su la canapa precoce. Ital. Agr. 67: 259-271. My.1930. no.5.

Izv. Sel.-Khoz. Akad. K.A. Timiriazeva (Ann. Timiriasev Agr. Acad.) (Moskva)

Ageev, K. F.

... Inzucht bei dem roggen. Izv. Sel.-Khoz. Akad. K.A. Timiriazeva (Ann. Timiriasev Agr. Adad.) 4: 143-175. illus. 1929 (Rec'd Ap.1930).

Russian with German summary.

Glushakova, N.N.

... A contribution to the study of the inheritance of some quantitative characters in flax by crossing fibre-flax with seed-flax. Izv. Sel.-Khoz. Akad. T.A. Timiriazeva (Ann. Timiriasev Agr.Acad.) 4: 37-51. 1929 (Rec'd Ap.1930).

Russian with English summary.

Ivanov, F.I.

... Bestimmung der haupthafersorten. Izv. Sel.-Khoz. Akad. K.A. Timiriazeva (Ann. Timiriasev. Agr. Acad.) 4: 431-495. illus. 1929 (Rec'd Ap. 1930)

Russian with German summary.

Kvashnikov, B. V.

... Methodik der selektionsauslese bei zwiebel (Allium cepa). Izv. Sel.-Khoz. Akad. K.A. Timiriazeva (Ann. Timiriasev Agr.Acad.) 4: 311-430. illus. 1929 (Rec'd Ap.1930)..

Russian with German summary.

Kvasnikov, B. V.

... A study of doubleness in Matthiola. Izv. Sel.-Khoz. Akad. K.A. Timiriazeva (Ann. Timiriasev Agr.Acad.) 4: 53-97. 1929 (Rec'd Ap.1930).

Russian with English summary.

Matveev, N.D.

... Materials for study of methods of selection of fibre-flax. Izv. Sel.-Khoz. Akad. K.A. Timiriazewa. (Ann. Timiriasev Agr. Acad.) 4; 189-294. illus. 1929 (Rec'd Ap.1930)

Russian with English summary.

Izv. Sel.-Khoz. Akad. K.A. Timiriaseva (Ann. Timiriasev Agr. Acad.) (cont.)

Petropavlovsky, M.F.

... Zur erkenntnis der genetischen beschaffenheit des kolbenweizens (koppweizen.) Izv. Sel.-Khoz. Akad. K.A. Timiriazeva. (Ann. Timiriasev. Agr. Acad.) 4: 23-36. 1929 (Rec'd Ap.1930)

Russia with German summary.

Prokopenko, N.E.

... Investigation of the pigments of Aster. Izv. Sel.-Khoz. Akad.K.A.Timiriazeva (Ann. Timiriasev Agr. Acad.) 4: 177-188. illus. 1929 (Rec'd Ap.1930)

Russian with English summary,

Sveshnikova, I.N.

... Vicia sativa L. & V. cracca L. Izv. Sel.-Khoz Akad. K.A. Timiriazeva (Ann. Timiriasev. Agr. Acad.) 4: 1-22. illus. col.pl. 1929 (Rec'd Ap.1930).

Russian with English summary.

Tartarintsev, A. S.

... Parthenocarpie in tomatoes. Izv. Sel.-Khoz. Akad. K.A. Timiriazeva (Ann. Timiriasev Agr.Acad.) 4: 125-141. 1929 (Rec'd Ap.1930)

Russian with English summary.

Tartarintsev, A. S.

... The question about xenia of the second order. Izv. Sel-Khoz. Akad. K.A. Timiriaseva (Ann. Timiriasev Agr. Acad.) 4: 99-124. 1929 (Rec'd Ap.1930).

Russian with English summary.

Journ. Agr. Res.(Washington, D.C.)

Caldis, P. B.

Souring of figs by yeasts and the transmission of the disease by insects. Journ. Agr. Res. 40: 1031-1051. illus. Je.1, 1930. no.11.

Elliott, C.

Bacterial streak disease of sorghums. Journ. Agr. Res. 40: 963-976. illus., pl1-2, (1 col.) Je.1, 1930. no.11.

Bacterium holcicola n.sp.

Journ. Agr. Res. (cont.)

Hawkins, R. S. & Serviss, G. H.
Development of cotton fibers in the Pima and Acala varieties. Journ. Agr. Res. 40: 1017-1029. illus. Je.1, 1930. no.11.

Jones, J. W.
Inheritance of anthocyan pigmentation in rice. Journ. Agr. Res. 40: 1105-1128. Je.15, 1930. no.12.

Woodroof, J. G.
Studies of the staminate inflorescence and pollen of Hicoria pecan. Journ. Agr. Res. 40: 1059-1104. illus. Je.15, 1930. no.12.

Journ. Amer. Chem. Soc.

Clark, E. P.
Toxicarol. A constituent of the South American fish poison Cracca (Tephrosia) toxicaria. Journ. Amer. Chem. Soc. 52: 2461-2464. Je.1930. no.6.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Hendry, G. W.
Archaeological evidence concerning the origin of sweet maize. Journ. Amer. Soc. Agron. 22; 508-514. illus. Je.1930. no.6.

Jones, F. R.
Bacterial wilt of alfalfa. Journ. Amer. Soc. Agron. 22: 568-572. Je.1930. no.6.

Murphy, H. C. & Stanton, T.R.
Oat varieties highly resistant to crown rust. Journ. Amer. Soc. Agron. 22: 573-574. Je.1930. no.6.

Tidmore, J. W.
The phosphorus content of the soil solution and its relation to plant growth. Journ. Amer. Soc. Agron. 22: 481-488. Je.1930. no.6.

Journ. Bacteriol.

Lewis, I.M.
The inhibition of Phytomonas malvacearum in culture media containing sugars. Journ. Bacteriol. 19: 423-433. Je.1930. no.6.

Journ. Bacteriol. (cont.)

Magoon, C. A. & Brunstetter, B. C.
A new vessel for the efficient aëration of bacterial cultures in liquid media. Journ. Bacteriol. 19: 415-422. illus. Je.1930. no.6.

Journ. Chem. Soc. London.

Gibson, C. S., Penfold, A.R. & Simonsen, J.L.
The essential oil of Backhousia angustifolia. II. Journ. Chem. Soc. London. 1930: 1184-1201. My.1930.
II. The isolation of naturally occurring diketones: angustione and dehydroangustione.

Journ. Dept. Agr. Porto Rico. (Rio Piedras)

Cook. M.T.
The effect of some mosaic diseases on cell structure and on the chloroplasts. Journ. Dept. Agr. Porto Rico. 14: 69-101. pl.iii-xiv. Mr./Ap. 1930 (Rec'd Je.) no.2.

Seín, F.jr.
A new mechanical method for artificially transmitting sugar-cane mosaic. Journ. Dept.Agr. Porto Rico. 14: 49-68. Ap.1930(Rec'd Je.) no.2.
Spindle to spindle method.

Journ. Fac. Sci. Imp. Univ. Tokyo Sect.III,Bot.

Kumazawa, M.
Studies on the structure of Japanese species of Ranunculus. Journ. Fac. Sci. Imp. Univ. Tokyo Sect. III, Bot. 2: 297-343. illus., pl. xvi-xvii. My.10, 1930. no.3.

Journ. Genetics. (London)

Crane, M.B. & Lawrence, W.J.C.
Fertility and vigour of apples in relation to chromosome number. Journ. Genetics. 22: 153-163. My.1930. no.2.

Darlington, D.D. & Moffett, A. A.
Primary and secondary chromosome balance in Pyrus. Journ. Genetics. 22: 129-151. illus., pl.v. My.1930. no.2.

Journ. Genetics. (cont.)

Imai, Y.
Studies on yellow-inconstant, a mutating character of Pharbitis nil. Journ. Genetics. 22: 191-200. My.1930. no.2.

Percival, J.
Cytological studies of some hybrids of Aegilops sp. x wheats, and of some hybrids between different species of Aegilops. Journ. Genetics. 22: 201-278. illus. My.1930. no.2.

Journ. Indian Bot. Soc. (Madras)

Ajrekar, S. L.
A simple method of illustrating Mendelian monohybrid and di-hybrid ratios. Journ. Indian Bot. Soc. 9: 62-64. Mr.1930. no.1.

Ajrekar, S.L.
Some observations on the teaching of botany. Journ. Indian Bot. Soc. 9: 66-74. Mr.1930. no.1.
Address delivered at ann. meet., Indian Bot. Soc., Allahabad, Ja.2,1930.

Inamdar, R.S. & Dabral, B.M.
Experiments on transpiration. Journ. Indian Bot.Soc. 9: 1-30. illus. Mr.1930. no.1.

Krishamurti, C. S.
A note on the development of adventitious roots from the petiole of the leaf of Fittonia verschaffeltii (rubro-venosa). Journ. Indian Bot. Soc. 9: 65. illus. Mr.1930. no.1.

Maheshwari, P.
Contributions to the morphology of Boerhaavia diffusa II. Journ. Indian Bot. Soc. 9: 42-61. illus. Mr.1930. no.1.

Maheshwari, P. & Singh, U. B.
The development of the female gametophyte of Asphodelus tenuifolius. Journ. Indian Bot. Soc. 9: 31-39. illus., pl.i-iii. Mr.1930. no.1.

Tadulingham, C. & Jacob, K. C.
A new species of Senecio. Journ. Indian Bot. Soc. 9: 40-41. pl.i-ii. Mr.1930. no.1.
S. ansteadi.

Journ. Landw. (Berlin)

Blanck, E., Keese, H. & Klander, F.

Ueber den einflusz der steine im boden auf das wachstum der pflanzen. Journ. Landw. 78: 1-8 1930. no.1/2.

Meyer, K.

Studien über den wasserhaushalt des hafers. Journ. Landw. 78: 31-202. illus. 1930. no.1/2.

Journ. Min. Agr. Gt. Brit. (London)

Marsh, R.W. & Maynard, J. G.

Black currant leaf spot disease and its control. Journ. Min. Agr. Gt. Brit. 37: 255-259. illus. Je.1930. no.3.

Smith, K.M.

Insects in relation to potato virus diseases. Journ. Min. Agr. Gt. Brit. 37: 224-232. illus. Je. 1930. no.3.

Journ. Pomol. & Hort. Sci. (London)

Knight, R. C.

Some effects of pruning "leaders" and of the absence of "laterals" on the rate of growth of stems. of apple and plum. Journ. Pomol. & Hort. Sci. 8: 93-105. illus. My.1930. no.1.

Tetley, U.

A study of the anatomical development of the apple and some observations on the "pectic constituents" of the cell-walls. Journ. Pomol. & Hort. Sci. 8; 153-172. illus. My.1930. no.1.

Tydeman, H.M.

Some results of experiments in breeding black currants. Journ. Pomol. & Hort. Sci. 8: 106-128. pl.1-9 on 3. My.1930.

I. The self pollinated families.

Kosmos. (Stuttgart)

Venzmer, G.

Neues über hautreizende pflanzen. Kosmos. 27: 187-192. illus. Je.1930. no.6.

Kranke Pflanze. (Dresden)

Hülsenberg, H.

Das auftreten des roggenhalmbrechers (Leptosphaeria herpotrichoides de Not.) in der Provinz Sachsen in den jahren 1928 und 1929. Kranke Pflanze 7: 42-48. Mr./Ap.1930. no.3/4.

Kranke Pflanze. (cont.)
Klebahn, H.
Die Monilia-kranheit der kirschen. Kranke Pflanze. 7: 37-40. illus. Mr./Ap. 1930. no.3/4.

Landw. Jahrb. (Berlin)
Klapp, E. L.
Studien über zusammenhänge von bodenreaktion. verbreitung der wiesenpflanzen, wiesentypen und wiesenerträgen. Landw. Jahrb. 71: 807-835. illus. 1930. no.5.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Möller, H.
Eine neue klein-katee, Pelecyphora valdeziana Möll., sp.n. Möller's Deut. Gärtn-Zeit. 45: 179-180. My.12, 1930. no.15.

Nature. (London)
Gates, R. R.
Synapsis and chromosome rings in Oenothera. Nature. 125: 854-855. Je.7, 1930. no.3162.

Salisbury, E. J.
Mortality amongst plants and its bearing on natural selection. Nature. 125: 817, My.31, 1930. no.3161

Nature Mag. (Washington, D.C.)
Chestnut, A.
Edgar T. Wherry, plant prospector. Nature Mag. 16: 51-54. illus. Jl, 1930. no.1.

Gregory, C. T.
Foes of the peony. How to fight diseases that infect this plant. Nature Mag. 16: 49-50. illus. Jl.1930. no.1.

Naturwissensch. (Berlin)
Krause, K.
Salzpflanzen in Kleinasien. Naturwissensch. 18: 546-549. Je.6, 1930. no.23

Notizbl. Bot. Gart. Berlin.
Burret, M.
Iriarteae. Notizbl. Bot. Gart. Berlin. 10: 918-942. Mr.30,1930. no.99
Wettiniicarpus n.gen., W.fascicularis.

Notizbl. Bot. Gart. Berlin. (cont.)

Diels, L.

Miscellanea sinensia II. Notizbl. Bot. Gart. Berlin. 10: 881-892. Mr.30, 1930. no.99.

Fries, R. E. & Fries, Th.C.E.

Beiträge zur kenntnis der flora der Kenia, Mt. Aberdare und Mt. Elgon XIII. Notizbl. Bot. Gart. Berlin. 10: 897-917. Mr.1930. no.99.

Melchior, H.

Decaphalangium, eine neue gattung der guttiferen aus Peru. Notizbl. Bot. Gart. Berlin. 10: 946-950. illus. Mr.30,1930. no.99.

D. peruvianum. n.sp.

Melchior, H.

Der kokop-baum von Neu-Mechlenburg (Ailanthus peekelii spec.nov.) Notizbl.Bot. Gart. Berlin. 10: 893-896. Mr.30, 1930. no.99.

Mildbraed, J.

Probeflächen-aufnahmen aus dem Kameruner regenwald. Notizbl. Bot. Gart. Berlin. 10: 951-976. Mr.30, 1930. no.99.

Reimers, H.

Ueber Orthodicranum allorgei Amann et Loeske, Dicranum canariense Hpe. und D. scottianum Turn. Notizbl. Bot. Gart. Berlin. 10: 943-945. Mr.30, 1930. no.99.

Oesterr. Bot. Zeitschr. (Wien)

Klein G. & Linser, H.

Fluoreszenzenalytische untersuchungen an pflanzen. Oesterr. Bot. Zeitschr. 79: 125-163. illus. Ap.30, 1930. no.2.

Klein, G. & Farkass, E.

Der mikrochemie nachweis der alkaloide in der pflanze. XIV. Der nachweis von cytisin. Oesterr. Bot. Zeitschr. 79: 107-124. illus. Ap.30, 1930. no.2.

Schnarf, K.

Zur kenntnis der samenentwicklung von Roridula. Oesterr. Bot. Zeitschr. 79: 180-182. illus. Ap.30, 1930. no.2.

Oesterr. Bot. Zeitschr. (cont.)

Schussnig, B.
Ochrosphaera neapolitana, nov.gen., nov.spec. eine neue chrysomonade mit kalkhülle. Oesterr. Bot. Zeitschr. 79: 164-170. illus. Apr.30,1930. no.2.

Schussnig, B.
Phykoligische.beiträge II. Oesterr. Bot. Zeitschr. 79: 171-179. illus. Ap.30,1930. no.2.

Wallisch, R.
Die chromosomenverhältnisse bei Tilia platyphyllos, Tilia cordata und Tilia argentea. Oesterr. Bot. Zeitschr. 79: 97-106. illus. Ap.30,1930. no.2.

Orchid Rev. (Richmond, England)

Broadway, W.E.
Trinidad orchids. (cont.) Orchid Rev. 38: 172. Je.1930. no.444.

Cooper, E.
Lycaste skinneri and other members of the genus. Orchid Rev. 38: 165-169. illus. Je.1930. no.444.

Cooper, E.
Maxillaria desvauxiana. Orchid Rev. 38: 170-171. Je.1930. no.444.

Parfm. Mod. (Lyon, France)

Rolet, A.
L'ylang-ylang et le champaca. Parfum. Mod. 25: 359-371. My.1930. no.5.
Cananga odorata, Michelia suaveolens.

Phytopath. Zeitschr. (Berlin)

Jancke, O.
Die anfälligkeit verschiedener pflanzen gegenüber tierischen und pflanzlicher schädlingen und die wasserstoffionenkonzentration ihres zellsaftes. Phytopath. Zeitschr. 2: 181-198. 1930. no.2.

Letow A. A.
Ueber die bedeutung der Sclerotinia libertiana Fuckel auf sonnenblumen. Phytopath. Zeitschr. 2: 166-180. illus. 1930. no.2.

Phytopath. Zeitschr. (cont.)

Schaffnit, E. & Meyer-Hermann. K.

Ueber den einfluss der bodenreaktion auf die lebensweise von pilzparasiten und das verhalten ihrer wirtspflanzen. Phytopath. Zeitschr. 2: 99-166. illus. 1930. no.2.

Beiträge zur kenntnis der wechselbeziehungen zwischen kulturpflanzen, ihre parasiten und der unwelt. (3. mitteilung)

Planta Arch. Wiss. Bot. (Berlin)

Arens, K.

Zur kenntnis der karbonatassimilation der wasserpflanzen. Planta Arch. Wiss. Bot. 10: 814-816. My.20, 1930. no.4.

Bachmann, F. & Bergann. F.

Ueber die wertigkeit von strahlen verschiedener wellenlänge für die phototropische reizung von Avena sativa. Planta Arch. Wiss. Bot. 10: 744-755. illus. My.20, 1930. no.4.

Bergann, F.

Untersuchungen über lichtwachstum, lichtkrümmung und lichtabfall bei Avena sativa mit hilfe monochromatischen lichtes. Planta Arch. Wiss. Bot. 10: 666-743. illus. My.20, 1930. no.4.

Godnew, T. & Korsghenewsky, S.K.

Ueber die gelben begleitstoffe des protochlorophylls, Planta Arch. Wiss. Bot. 10: 811-813. My.20, 1930. no.4.

Paetz, K. W.

Untersuchungen über die zusammenhänge zwischen stomatärer öffnungsweite und bekannten intensitäten bestimmter spektralbezirke. Planta Arch. Wiss. Bot. 10: 611-665. illus. My.20, 1930. no.4.

Schanderl, H.

Oekologische und physiologische untersuchungen an der wellen- und muschelkalkflora des maintales zwischen Würzburg und Gambach. Planta Arch. Wiss. Bot. 10: 756-810. illus. My.20, 1930. no.4.

Planta Arch. Wiss. Bot. (cont.)
Tuschnjakowa, M.
Ueber einen eigenartigen dreifachen chromosomenkomplex in der reduktionsteilung der pollenmutterzellen von Humulus japonicus S.et Z. Planta Arch. Wiss. Bot. 10: 597-610. illus. My.20, 1930. no.4.

Planter (Kuala Lumpur)
Hoop, D.J.N. van der
Hevea seed. A germination experiment. Planter. (Kuala Lumpur) 10: 293-295. My.1930. no.10.

Proc. Idaho State Hort. Assoc.
Fisher, D.
Internal breakdown of apples. Proc. Idaho State Hort. Assoc. 34(1929); 12-13. [1929?]

Proc. K. Akad. Wetensch. Amsterdam.
Velsen, P.J.
Porometeruntersuchungen an weissbunten blättern von Ficus elastica L. Proc. K. Akad. Wetensch. Amsterdam. 33: 405-416. illus. 1930. no.4.

Proc. Roy. Soc. Ser.B. (London)
Kelaney, M.A. el. & Searle, G.O.
The chemical sectioning of plant fibres. Proc. Roy. Soc. Ser.B, 106: 357-362. pl.31-32. Je.2, 1930. no.B745.

Quart. Journ. Micros. Sci. (London)
Patten, R.E. P. & Wigoder, S. B.
The cytological changes observable in irradiated bean root tips. Quart. Journ. Micros. Sci. 73: 633-650. pl.38-40. My.1930. no.4.
Vicia faba.

Queensl. Agr. Journ. (Brisbane)
White, C. T.
Weeds of Queensland. Bindweed (Convolvulus arvensis). (cont.) Queensl. Agr. Journ. 33: 322-323. My1, 1930. no.5.

Rep. Oper. Dept. Agr. Punjab.
Punjab. Dept. of agriculture.
Mycology. In its Report. 1928/29(1): 25-28, 1930.

Rep. Dept. Agr. Gov't Res. Inst. Formosa.
Hirama, S.
Cross-breeding varieties and strains of sweet potatoes, pt.1. Rep. Dept. Agr. Gov't Res. Inst. Formosa. no.44. 88 p. 4 pl. D.1929 (Rec'd Je. 1930) In Japanese

Res. Stud. State Coll. Washington. (Pullman)
Aase, H. C.
Cytology of hubrids. Res. Stud. State Coll. Washington. 2: 1-60. illus. My.1, 1930. no.1.

Rev. Industr. y Agr. Tucumán. (Buenos Aires)
Fawcett, G. L.
El enrulamiento de las hojas de la tomatera. Rev. Industr. y Agr. Tucumán. 20: 49-54. Ag./S. 1929 (Rec'd Je.1930). no.3/4.
Transmitted by Agallia sticticollis.

Rev. Bot. Appl. (Paris)
François, E.
De l'emploi de l'herbe kikuyu à Madagascar. Rev. Bot. Appl. 10: 287-293. My.1930. no.105.
Pennisetum clandestinum.

Gagnepain, F.
Observations sur le yajé. Rev. Bot. Appl. 10:292-294. My. 1930. no.105.
Banisteria caapi.

Koop, A.
Les maladies des plantes à la Réunion. Rev. Bot. Appl. 10: 281-287. My.1930. no.105.

Szymanek, J.
Notes phytopathologiques sur les cotonniers au Soudan Français. Rev. Bot. Appl. 10: 294-299. illus. My.1930. no.105.

Trochain, J.
Le ricin. Rev. Bot. Appl. 10: 299-308. illus. My.1930. no.105.

Walker, A.
Plantes oléifères du Gabon. (concl.). Rev. Bot. Appl. 10: 308-317. My.1930. no.105.

Rev. Bryol. (Caen)

Amann, J.
L'hygrothermie du climat, facteur déterminant la répartition des espèces atlantiques. Rev. Bryol. n.s., 2: 126-133. 1929 (Rec'd Je.1930). no.3/4.

Courcelle, R.
Contribution à l'étude de la flore bryologique du départment de la Mayenne. Rev. Bryol. n.s., 2: 226-230. 1929 (Rec'd Je.1930). no.3/4.

Culmann, P.
Contribution à la flore bryologique des bassins du Vénéon et de la Romanche. Rev. Bryol. n.s., 2: 146-164. 1929 (Rec'd Je.1930). no.3/4.

Dismier, G.
Orthotrichum shawii Wils. nouveau pour l'Italie et Cololejeunea rossettiana (Massal.) Schiffn. pour l'Algérie. Rev. Bryol. n.s., 2: 207-208. 1929. (Rec'd Je.1930). no.3/4.

Felippone, F.
Contribution à la flore bryologique de l'Uruguay. Rev. Bryol. n.s., 2: 210-225. illus. 1929 (Rec'd Je.1930). no.3/4.

Cyörffy, I.
Nachruf an Prof. Dr. Julius Röll, ritter pp. (1846-1928). Rev. Bryol. n.s., 2: 117-125. port. 1929 (Rec'd Je.1930). no.3/4.

Meylan, C.
Une hépatique nouvelle pour la France. Rev. Bryol. n.s., 2; 209. 1929 (Rec'd Je.1930) no.3/4.
Riccia lusitanica.

Paul, H.
Bryologische miscellen. Rev. Bryol. n.s., 2: 140-145. 1929 (Rec'd Je.1930). no.3/4.
Plagiothecium neckeroideum Br. eur. mit brutkörpern. - Frullania jackii Gottsche auf organischem substrat. - Pseudoleskea secunda (Arn./Broth. in Europa - Sphagnum monocladum (v.Klinggr.) Warnst.

Rev. Bryol. (cont.)

Thériot, I.

Mousses critiques. Rev. Bryol. n.s., 2: 231-233. 1929 (Rec'd Je.1930). no.3/4.

Thériot, I.

Mousses du Chili austral récoltées par le Prof. Rol. Thaxter, de Cambridge, Mass. Rev. Bryol. n.s., 2: 165-166. 1929 (Rec'd Je.1930) no.3/4.

Rev. Gén. Bot. (Paris)

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. (cont.) Rev. Gén. Bot. 42: 297-312. illus. My.1930. no.497.

Chauveaud, G.

Remarques sur une conception nouvelle de la morphologie végétale. Rev. Gén. Bot. 42: 313-320. My.1930. no.497.

Guilliermond, A.

Recherches ultramicrospopiques sur les cellules végétales. (cont.) Rev. Gén. Bot. 42: 272-282. illus. My.1930. no.497.

Ling-Young, M.

Etude biologique des phénomènes de la sexualité chez les mucorinées. (cont.). Rev. Gén. Bot. 42: 283-296. illus. My.1930. no.297.

Nicolas, G.

Sur la transpiration des plantes parasitées par des champignons. Rev. Gén. Bot. 42:257-271. My.1930. no.497.

Rev. Vitic. (Paris)

Faes, H.

Influence des conditions climateriques sur le developpement des insectes-et champignons parasites. des cultures., Rev. Vitic. 72: 441-445. My.29, 1930. no.1874.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J. C.

The Diplodia menace. Rhodesia Agr. Journ. 27: 502-504. My.1930. no.5.

On maize.

Rhodora. (Boston)

Cory, V. L.
A new Lesquerella from Western Texas. Rhodora. 32: 110. Je.1930. no.378.
L. lepidota

Fernald, M. L.
A new willow from the Côte Nord, Quebec. Rhodora. 32: 112-113. pl.203. Je.1930. no.378.
Salix simulans

Fogg, J.M., jr.
A few noteworthy plants from Falmouth, Massachusetts. Rhodora. 32: 103-110. Je. 1930. no.378.

Fogg, J.M., jr.
Tipularia discolor in Dukes County, Massachusetts. Rhodora. 32: 114-117. Je. 1930. no.378.

Harris, S. K.
An Alpine station for Hieracium aurantiacum. Rhodora. 32: 113. Je. 1930. no.378.
Mt. Washington on Lion Head trail at an elevation of 5500 ft.

Raup, H.M.
A new species of Salix from the Mackenzie Basin. Rhodora. 32: 111-112. pl.202. Je. 1930. no.378.
S. athabascensis.

Sbornik Československ. Akad. Zeměd. (Praha)

Neoral, K. & Blaha, J.
Stimulační pokusy u vinne révy. (Essais de la stimulation de la vigne). Sbornik Československ. Akad. Zeměd. 5: 271-293. 1930. no.2.
French summary.

Scient. Agr. (Ottawa)

Russell, R. C.
Field studies of take-all in Saskatchewan. Scient. Agr. 10: 654-668. illus. Je.1930. no.10.

Scient. Amer. (New York)

Geiger, C. W.
An immigrant plant proving ground. Scient. Amer. 143: 42-44. illus. Jl.1930. no.1.
U.S. plant introduction gardens near Chico, California.

So. African Gard. (Johannesburg)

Bolus, L.

Plants new and noteworthy. (cont.) South African Gard. 20: 147-148. illus. My.1930. no.5.

Nerine masonarum, N. angulata, N. rehmanni (Hessea rehmanni), Hessea leipolditii.

Bolus, L.

Mesembrianthemum and allied genera. (cont.) So. African Gard. 20: 153. illus. My.1930 no.5.

Ruschia pygmaea, Schw., Faucaria albidens, N.E. Br., and Conophytum praeparvum, N.E.Br., var. roseum, Lavis.

Bolus, L.

Rooi trewa- pink satyrium. (Satyrium carneum R.Br.) So. African Gard. 20: 151, 158. illus. (col.) My.1930. no.5.

Tectona. (Buitenzorg)

Japing, H. W.

Het looistofverloop in den bast van eenige Acacia decurrens var. mollis-stammen. Tectona. 23: 294-299. Ap.1930. no.4.

Laan, E. van der.

Bijdrage tot de kennis der verspreiding van het geslacht Dipterocarpus op Java. (Something about the distribution of the genus Dipterocarpus in Java). Tectona. 23: 300-303. 2 pl. on 1. Ap.1930. no.4.

English summary.

Tijdschr. Plantenz. (Amsterdam)

Dekker, J. F.

Stimuleerende werking van zilvernitraat op kiemplanten van bloemkool. Tijdschr. Plantenz. 36: 96-97. My. 1930. no.5.

Wellensiek, S. J.

Iets over vorstbeschadiging bij aardappelknollen. (Something about frost-injury in potato-tubers). Tijdschr. Plantenz. 36: 89-95. 1 pl. My.1930. no.5.

English summary.

Trans. Kentucky State Hort. Soc.
Schneiderhan, F.J.
Recent developments in spraying equipment and new fungicides. Trans. Kentucky State Hort. Soc. 1929: 124-146. 1930.

Valleau, W. D.
A progress report on apple blight control. Trans. Kentucky State Hort. Soc. 1929: 116-121. 1930.

Trans. Peninsula Hort. Soc. (Dover, Del.)
Lagasse, F. S.
Studies on root stock variation and what the results may mean to the practical grower. Trans. Peninsula Hort. Soc. 19: 43-54. illus. 1929. no.5.
Apple.

Tropenpfl. (Berlin)
Marcus, A.
Die sonnenblume. Tropenpfl. 33: 181-189. My. 1930. no.5.

Trop. Agr. (Ceylon) (Peradeniya)
Park, M.
Matters of phytopathological interest during 1929. Trop. Agr. (Ceylon). 74: 195-199. 2 pl. on 1. Ap. 1930. no.4.
Mycological notes (22).
Plantain diseases - Diseases of cover crops - Vermicularia capsici - Mosaic of tobacco - Citrus canker.

Sylva, K.J.A.
Phaius wallichii Lindl. Trop. Agr. (Ceylon) 74: 206. 1 pl. Ap.1930. no.4.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)
Cooper, G. P.
Espavé (Anacardium rhinocarpus DC) Trop. Woods, Yale Univ. Sch. For. 22: 4-9. Je.1,1930.

Trop. Woods, YaleUniv. Sch. For. (cont.)

Harms, H.

Note regarding the use of the name mahogany. Trop. Woods, Yale Univ. Sch. For. 22: 3. Je.1, 1930.

Meliaceae-Swietenioideae so closely related that their timbers can be called mahogany, Dipterocarpaceae so entirely different that is "nonsense" to use the name mahogany for their timbers.

Record, S. J.

Notes on tropical timbers. Trop. Woods, Yale, Univ. Sch. For. 22: 10-13. Je.1, 1930.

Mahogany in western Brazil - Philippine ipil (intsia bijuga) for flooring - Principal local woods used in Pará, Brazil (with common and scientific names).

Reyes, L. J.

Apitong (Dipterocarpus spp.) of northern Negros. Trop. Woods, Yale Univ. Sch. For. 22: 14-16. Je.1930.

Reproduced, with minor editorial changes, from The Makiling Echo. 9(1): 37-39, Jan. 1930, mimeograph publ. issued by the Div. For. Inv., Bur. For., Agr. Coll., Laguna, P.I.

Standley, P. C.

A new tree from Colombia. Trop. Woods, Yale. Univ. Sch. For. 22: 13-14. Je.1, 1930.

Sideroxylon colombianum.

Standley, P.C.

Sickingia klugei, a tree of Panama and Venezuela. Trop. Woods Yale Univ. Sch. For. 22: 9-10. Je.1, 1930.

S. klugei comb.nov. (Calderonia klugei, S. parvifolia)

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (Leningrad)

Fedchenko, B.A. & Knorring, E. E.

... Introduction to the study of the vegetation of Chinese Turkestan. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(5): 395-432. illus. 1930.

Russian.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) (cont.)

Koroleva, V. A.

... Centaurea cyanus L. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 2(5): 637-663. 1930.

Russian.

Rischkov, V.

... The problem of the variegation of leaves in modern literature. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(5): 523-570. 1930.

Russian.

Troitsky, N. A.

... The vegetation of Georgia as one of its natural resources. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 22(5): 79-106. 1930.

Russian.

[Trudy] Zapadno-Sibir. Oblastn. Sel.-Khoz. Opyth. Stan. ([Publ. West-Siber. Agr. Exp. Stat.]) (Omsk.)

Donchenko, V. S.

... New disease of oats. [Trudy] Zapadno-Sibir. Oblastn. Sel.-Khoz. Opytn. Stan. ([Publ.] West-Siber. Agr. Exp. Stat.) no.26. 21 p. illus. 1929.(Rec'd 1930)

Preliminary report.

Russian with English summary.

Chief symptoms abnormal tillering, dwarfing and "gipertrophy of ovary".

Die Umschau. (Frankfurt)

Molisch, H.

Die palme als zuckerfabrik. Die Umschau. 34:452-453. illus. Je.7, 1930. n.23.

Wichmann,

Die spinatkrankheit am Rhein. Die Umschau. 34: 451-452. illus. Je.7, 1930. no.23.

Gelbfleckigkeit.

U.S. Dept. Agr. Farm. Bull.

Johnson, J.

Steam sterilization of soil for tobacco and other crops. U.S. Dept. Agr. Farm. Bull. 1629. 13 p. illus. My 1930.

U.S. Dept. Agr. Plant Dis. Rep.

Barss, H. P.

Downy mildew of hops appears in Oregon. U.S. Dept. Agr. Plant Dis. Rep. 14:98. Je.15, 1930. no.12.

Chupp, C.

Tobacco seed bed survey in New York. U.S. Dept. Agr. Plant Dis. Rep. 14: 92-94. Je.1, 1930. no.11.

Jenkins, A. E.

A scab disease of Lima bean in Cuba and Porto Rico. U.S. Dept. Agr. Plant Dis. Rep. 14: 96-97. pl.3. Je.1, 1930. no.11.

Elsinoe canavaliae.

Lehman, S. G.

Report of tobacco seed bed survey in North Carolina. U.S. Dept. Agr. Plant Dis. Rep. 14: 98-100. Je.15, 1930. no.12.

Orton, C. R.

Report on tobacco seed-bed survey, West Virginia, May 12-15. U.S. Dept. Agr. Plant Dis. Rep. 14: 90-92. Je.1, 1930. no.11.

Wingard, S. A.

White rot of onions in Virginia. U.S. Dept. Agr. Plant Dis. Rep. 14: 104-105. pl.4. Je.15, 1930. no.12.

Wheat flag smut (Urocystis tritici) survey. U.S. Dept. Agr. Plant Dis. Rep. 14: 89-90, 101-104. illus. (maps) Je.1,15, 1930. no.11,12.

Věstnik Českosl. Akad. Zeměd. (Praha)

Kavina, K.

Oekologie vzpěrných kořenu konifer. Beitrag zur oekologie der stelzwurzeln bei koniferen. Věstnik Českosl. Akad. Zeměd. 6: 487-488. My.1930. no.5.

German summary.

Univ. Illinois Biol. Monogr.

Solheim, W.G.

Morphological studies of the genus Cercospora. Univ. Illinois Biol. Monogr. v.12, no.1. 84 p. iv pl. Ja. 1929 (Mr.7,1930) (Rec'd Je.)

Vict. Nat. (Melbourne)

Pitcher, F.

Some remarks on Hill's elk-horn fern. Platycerium hillii. Vict. Nat. 47: 20. My. 1930. no.1.

Williamson, H.B.

Some plants of the Northern Mallee. Pt. II. Vict. Nat. 47: 4-8. My. 1930. no.1.

Welsh Journ. Agr. (Cardiff, Wales)

Whitehead, T.

Dry-rot of Swedes, 2d progress report. Welsh Journ. Agr. 6: 289-295. Ja.1930.

Zeitschr. Bot. (Jena)

Kniep, H.

Ueber den generationswechsel von Allomyces. Zeitschr. Bot. 22: 433-441. 1930. no.9.

Köhler, A.

Ueber die feinstruktur von Navicula (Pinnularia) nobilis Ehbg. Zeitschr. Bot. 22: 442-454. illus., pl. ii. 1930. no.9.

Zeitschr. Parasitenk.

Krause, A. W.

Untersuchungen über den einfluss der ernährung, belichtung und temperatur auf die perithecienproduktion einiger hypocreaceen. Beitrag zur kulturmethodik einiger parasitärer und saprophytischer pilze. Zeitschr. Parasitenk. 2: 419-476. illus. My.13, 1930. no.4.

Zeitschr. Pflanzenkr. (Stuttgart)

Langlet, O.

Einige eigentümliche schädigungen an kiefernwald nebst einem versuch, ihre entstehung zu erklaren. Zeitschr. Pflanzenkr. 40: 261-265. illus., map. My.1930. no.5.

Moritz, O.

Studien über Nectriakrebs. Zeitschr. Pflanzenkr. 40: 251-261. My.1930. no.5.

Tubeuf, C.von.

Das problem der knollenkiefer. Zeitschr. Pflanzenkr. 40: 225-251. illus. My.1930. no.5.

Zeitschr. Pilzk. (Leipzig-)

Herrfurth, D.
Sind Lepioten wirklich ohne jede allgemeine hülle? Lepiota rhacodes Vitt. Zeitschr. Pilzk. 14(n.s.9): 62-66. My.15,1930. no.4/5.

Lepik, E.
Ueber glykogen oder "pilzstärke". Zeitschr. Pilzk. 14(n.s.9): 56-59. My.15, 1930. no.4/5.

Passecker, F.
Champignons mit karbolgeruch. Zeitschr. Pilzk. 14(n.s.9): 60-62. My15, 1930. no.4/5.

Seidel, R.
Boletus flavidus (Fr.) Zeitschr. Pilzk. 14(n.s.9): 66-67. My.15, 1930. no.4/5.

Der Zuchter. (Berlin)

Kuhn, E.
Pseudogamie und androgenesis bei pflanzen. Der Züchter. 2: 124-136. illus. My.1930. no.5.
Sammelreferat.

Laibach, F.
Die heterostylie und ihre bedeutung für die pflanzenzüchtung. Der Zuchter. 2: 113-120. illus. My.1930. no.5.

Raum, H.
Ueber die züchtung kurzhalmiger weizensorten und die bedeutung der hartweizen für die weizenzüchtung. Der Züchter. 2: 120-124. My.1930. no.5.

Exper. Stat. Publ.

Weber, G. F. & West, E.
Diseases of sweet potatoes in Florida. Florida Agr. Exp. Stat. Bull. 212. 40 p. illus. Mr.1930. (Rec'd Je.)

Etheridge, W.C., Helm, C.A. & King, B.M.
A classification of soybeans. Missouri Agr. Exp. Stat. Res. Bul. 131. 54 p. illus., iii col.pl. D.1929 (Rec'd Je.1930)

Exper. Stat. Publ. (cont.)

Beckwith, C.S. & Fudge, B.R.
Cranberry and blueberry investigations. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 187-193. [1930]
Control of rot - Relation of the water table to growth and yield of cranberries, 1928 - Ripening of cranberries.

Blake, M. A.
Report of the Division of horticulture. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 209-247. illus. [1930]

Haenseler, C. M.
Effect of various fertilizers and different methods of application on germination of peas (Pisum sativum). Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 262-270. 1929.

Martin, W. H. & Clark, E. S.
Influence of Bordeaux mixture on transpiration. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 249-255. 1929.

Martin, W. H.
Potato spraying in 1928. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 255-256. [1930]

Martin, W. H.
Report of the Department of plant pathology. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 249-272. [1930]

Martin, W.H.
Sweet potato disease studies. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 256-260. 1929.

White, R. P.
Juniper blight. Ann. Rep. New Jersey Agr. Exp. Stat. 50(1928/29): 270-272. 1929.

New Jersey agricultural experiment station - Dept. of plant pathology.
Common rusts of conifers. Its Nursery disease notes v.2, no.12. 4 p. Je.1930.
Mimeographed.

Exper. Stat. Publ. (cont.)

Einset, O.
Cross-unfruitfulness in the apple. New York Agr. Exp. Stat. Tech. Bull. 159. 24 p. Ap.1930.

Streeter, L.R. & Rankin, W. H.
The fineness of ground sulfur sold for dusting and spraying. New York Agr. Exp. Stat. Tech. Bull. 160. 16 p. illus. Ap.1930.

Newhall, A. G.
Control of root-knot nematode in greenhouses. Ohio Agr. Exp. Stat. Bull. 451. 60 p. illus. Ap. 1930.

Texas agricultural experiment station.
Plant pathology and physiology. Its Ann. Rep. 42(1929): 64-72. [1930]
J.J. Taubenhaus chief.

State Publications.

LeClerg, E. L.
Common diseases of onions in Colorado. Colorado Agr. Coll. Ext. Serv. Bull. 304-A. 12 p. illus. Mr. 1930.

Quinn, J. T.
Controlling potato diseases. Univ. Missouri Coll. Agr. Exp. Serv. Circ. 246. 8 p. illus. Mr. 1930.

Talbert, T. J.
Spraying fruits. Univ. Missouri Coll. Agr. Ext. Serv. Circ. 245. 16 p. illus. Mr. 1930.

New Books.

Ascherson, P. & Graebner, P.
Synopsis der Mitteleuropäischen flora... nach Aschersons tode fortgesetzt von P. Graebner, sen. & P. Graebner, fil. 115 lfg. (v.12, Compositae, Hieracium bearb. von H. Zahn, bog. 26-31) Leipzig, Mr.25,1930.

Backer, C. A.
Onkruidflora der Javasche suikerrietgronden. afl. 2,4. [1930?] (Handboek ten dienste van de suikerriet-cultuur en de rietsuiker-fabricage op Java, v.7)
Afl. 4 is atlas, pl.97-128.

New Books. (cont.)

Carbone, D. & Arnaudi, C.
L'immunita nelle piante. Milano, 1930.

Coelingh, W. M.
Over stoffen die invloed uitoefenen op de aggregatie bij Drosera. Baarn, N.V. Hollandia-drukkerij, 1929.

Coupin, H., Jodin, H. & Daupiné, A.
Atlas de botanique microscopique. 2. ed. rev. et augm. Paris, Vigot freres, 1930.

Correvon, H.
Rock garden and Alpine plants. N.Y., Macmillan, 1930.

Hamel, G.
Recherches sur les genres Acrochaetium Naeg. et Rhodochorton Naeg. Saint-Lo, 1927.

Hobschette, A.
Les cactacées médicinales. Paris, G.Doin, 1929.

Holmberg, O. R.
Skandinaviens flora IIa. Mossor a levermossor av H.W. Arnell. Stockholm, P.A. Nordstedt & soners forlag, Ja.20,1929.

Imperial mycological conference, 2d, 1929.
Report. 1930.
Includes abstracts of papers and discussions.

Keissler, K. von.
Die flechtenparasiten. lfg. 2(schluss) Leipzig, 1930 (Dr. L. Rabenhorst's Kryptogamenflora von Deutschland, Oesterreich und der Schweiz VIII.bd.)

Korff, G.
Kalk als pflanzen-schutzmittel. Berlin,1929.

Lemee, A.
Dictionnaire descriptif et synonymique des genres de plantes phanerogames. v.2, Ce-Ero. Brest,1930.

New Books. (cont.)

Prudhomme, E.
Plantes utiles des pays chauds. 2. éd. (intièrement revue et augmentee). Paris, Librairie Larose, 1929.

Roadside beautifying association.
Roadside planting. London, Country Life. 1930.

Seale-Hayne agricultural college - Dept. of plant pathology.
Annual report 6th, 1928/29. Pamphl. Seale-Hayne Agr. Coll. no.31. Ap.1930.
A. Beaumont advisory mycologist.
Notes on diseases during the year. - Potato blight - Fungal diseases of narcissus bulbs. - Narcissus fire (Botrytis polyblastis) - Gladiolus diseases - Control of weeds by fungi - Fungal diseases of Devon and Cornwall.

Staerk, E.
Anleitung zur bestimmung von grasern. Berlin, P. Parey, 1926.

Volk, A.
Das diesjährige starke auftreten der mosaikkrankheit (gelbfleckigkeit) des spinates. n.p.,1929?
Aus dem Institut für pflanzenkrankheiten der Landwirtschaftlichen hochschule Bonn-Poppelsdorf.

Wille, J.
Die rübenblattwanze Piesma quadrata Fieb. Berlin, J. Springer, 1929 (Monographien pflanzenschutz hrsg. von Dr. H. Morstatt. 2.)
Transmits leaf curl of beets.

Zahlbruckner, A.
Catalogue lichenum universalis v.6, bog. 31-39. (schluss des bandes). Leipzig, 1930.

Translations filed in Library of Bur. of Plant Industry.

Huber, J. A.
Genetische versuche mit salatkartoffeln (Genetic experiments with salad-potatoes). Zeitschr. Zücht. A. Pflanzenzücht. 15: 75-85. F.1930.

Translations. (cont.)

Fruwirth, C.

Ueber durch spontane variabilität entstandene kartoffelform und über spontane variabilitat der kartoffel uberhaupt (On a form of potato developed by spontaneous variability, and on spontaneous variability of the potato generally). Zeitschr. Pflanzenzucht. 14: 35-79. D.1928.

Jeswiet, J.

Beschrijving der soorten van het suikkerriet XII (Descriptions of varieties of sugar cane. Some P.O.J. varieties of the chunnee blood: 33, 36, 139, 213, 228, 826, 979, 1228 and 2379). Arch. Suikerind. Nederl. Indie Meded. jaarg. 33, v.3, no.13. p.405-441. 1925.

Maschmeier, W.

Versuche über die möglichkeit einer serologischen sortendifferenzierung bei der kartoffel (Experiments regarding the possibility of serological differentiation of varieties of the potato). Berlin, 1927.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ JUN 16 1930 ★
U.S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Supplement 2. June 1930.

Entries for publications received too late to be included as current literature, as well as some entries inadvertently omitted from current lists.

Acta Bot. Fenn. (Helsingfors)

Cedercreutz, C.

Studien über laubwiesen in der kirchspielen Kyrkslätt und Esbo in Südfinnland. Mit besonderer berücksichtigung der verbreitung und einwanderung der laubwiesenarten. Acta Bot. Fenn. v.3. 180 p.incl.60 maps. 3 pl., 4 maps. 1927.

Palmgren, A.

Die einwanderungswege der flora nach den Ålandsinseln. Acta Bot. Fenn. v.2. 198 p. 57 maps on 15 pl. 1927.

Acta Hort. Berg. (Stockholm)

Fries, R.E. & Söderberg, E.

Drei neue, im Bergianischen garten gezogene Afrikanische arten. Acta Hort. Berg. 9: 77-84. illus., 2 pl. (part.col.) 1927. no.3.

Ornithogalum gracillimum, Heurnia keniensis, Berkheya bergiana, n.sp.

Langlet, O. & Söderberg, E.

Ueber die chromosomenzahlen einiger nymphaeaceen. Acta Hort. Berg. 9: 85-104. illus. 1927. no.4.

Anales Soc. Cient. Arg. (Buenos Aires)

Gez, J. W.

Notas varias. Cultivo de cactáceas. Anales Soc. Cient. Agr. 106: 187-195. illus. O.1928. no.4.

Animadv. Syst. Herb. Univ. Tomsk.

Krylov, P. & Sumnevich, G.
... Species nova altaica generis junci. Animadv. Syst. Herb. Univ. Tomsk. no.7. 2 p. S.1928.
Juncus schischkini.

Krylov, P.
... Duo novae species generis Asparagi L. Animadv. Syst. Herb. Univ. Tomsk. no.9. 2 p. N.1928.
A. flexuosus, A. setiformis.

Krylov, P. & Shishkin, B.
... A new species of Typha [T.veresczagini]. Animadv. Systm.Herb. Univ. Tomsk. no.1. 2 p. Ap. 1927.
Russian with Latin diagnosis.

Popova, T.
... [New species of Callignoum (C.dissectum) from Zaisansky district]. Animadv. Syst. Herb. Univ. Tomsk. no.5. 4 p. illus. Ag. 1928.
Russian with Latin diagnosis.

Räsänen, V.
... De Usnea nova in Sibiria inventa. Animadv. Syst. Herb. Univ. Tomsk. no.3. 1 p. Je.1927.
Usnea sibirica sp.n.

Reverdatto, V. V.
... Contribution to a knowledge of the Siberian species of Festuca. Animadv. Syst. Herb. Univ. Tomsk. 1927, no.2. 5 p. My.1927; 1928, no.3/4. 13 p. Mr./Apr. 1928.
Russian with Latin diagnosis for new species. (F.kryloviana & var. typica & musbelica); F. recognita, n.sp.

Shishkin, B. & Sergievskaja, L.
... Carex nova asiatica. Animadv. Syst. Herb. Univ. Tomsk. no.6. 3 p. S.1928.
Carex kryloviana.
Russian with Latin diagnosis.

Animadv. Syst. Herb. Univ. Tomsk. (cont.)

Shishkin, B. & Sumnevich, G.
... De speciebus nonnulis sibiricis generis Gageae L. Animadv. Syst. Herb. Univ. Tomsk. no.8. 5 p. N.1928.
Latin diagnosis.
G. altaica, n.sp.

Ann. Crypt. Exot. (Paris)

Biers, P.M.
Le souvenir de Paul Hariot. Ann. Crypt. Exot. 1: 313-318. port. D.1928. no.4.

Dufrénoy, J.
Le Phomopsis citri Fawcett. Ann. Crypt. Exot. 1: 349-352. illus. D.1928. no.4.

Felippone, F.
Contribution à la flore mycologique du l'Uruguay. Ann. Crypt. Exot. 1: 338-348. pl.viii. D.1928. no.4.

Harmand, J.
Lichens d'Indo-Chine recueillis par. M.V. Demange. Ann. Crypt. Exot. 1: 319-337. D.1928. no.4.

Potier de la Varde, R.
Musci novi indici. Ann. Crypt. Exot. 1: 37-47. illus. Mr.1928. no.1.
Trigonodictyon new gen.

Potier de la Varde, R.
Mousses nouvelles de l'Asie méridionale. Ann. Crypt. Exot. 1: 279-283. illus. O.1928. no.3.
Campylopus alleizettei, Trichostomum perannulatum, Vesicularia demangei n.spp.

Ann. Inst. Pasteur. (Paris)

Mazé, P.
La nutrition minérale de la cellule vivante et les vitamines. La nutrition minérale et la résistance naturelle des végétaux et des animaux aux maladies infectieuses. Ann. Inst. Pasteur. 41: 948-981. S. 1927. no.9.

Ann. Parasit. Humaine et Comp. (Paris)

Ciferri, R.

Sur un Grubyella parasite de simulidés, Grubyella ochoterenai n.sp. Ann. Parasit. Humaine et Comp. 7: 511-523. illus. N.1, 1929. no.6.

Ann. Phys. et Physicochim. Biol. (Paris)

Combes, R.

Absorption et migration de l'azote chez les plantes ligneuses. Ann. Phys. et Physicochim. Biol. 3: 333-376. Je. 1927. no.3.

Ann. Protist.. (Paris)

Crow, W. B.

The morphology of the filaments of Cyanophyceae. Ann. Protist. 1: 19-36. illus. Ja.30, 1928. no.1.

Dangeard, P.

L'appareil mucifère et le vacuome chez les euglènes. Ann. Protist. 1: 69-74. illus. Jl. 1928. no.2.

Entz, G.

Ueber den bau und über die tätigkeit der geisseln der peridineen. Ann. Protist. 1: 75-95. illus. Jl. 1928. no.2.

Hofker, J.

Die teilung, mikrosporen-und auxosporenbildung von Coscinodiscus biconicus v. Breemen. Ann. Protist. 1: 167-194. illus. D.1928. no.4.

Lefèvre, M.

Notes sur le Peridinium cunningtonii Lemm. et sur quelques formes affines. Ann. Protist. 1: 119-126. illus. Jl.1928. no.3.

Pavillard, J.

Kofoidinium velledoides, n.g., n.sp. Ann. Protist. 1: 159-161. illus. D.1928. no.4.

Roll, J.

Algues nouvelles, trouvées dans le plancton de la rivière Dniepre. Ann. Protist. 1: 162-166. illus. D.1928. no.4.

Trachelomonas borysthéniensis, T. deflandrei, T. asymmetrica, Dactylococcopsis elenkini, n.spp.

Ann. Protist. (cont.)
Wildeman, E.de.
A propos du thermotaxisme des euglènes.
Ann. Protist. 1: 127-136. Jl. 1928. no.3.

Ann. Sci.Agron. (Paris)
Dufrénoy, J. & Sarejanni, J.
Transformations pathologiques de matières albuminoides chez les tabacs. Ann.Sci. Agron. 46: 604-610. illus. S./O.1929. no.5.

Ann. Scient. Univ. Jassy.
Papp, C.
Contribution à l'étude des bryophytes de la Moldavie. Ann. Scient. Univ. Jassy. 14: 374-379. illus. F.1927; 15: 148-160. illus. F.1928.

Papp, C.
Plusieurs hybrides et sur une espèce rare de mousse de la Moldavie. Ann. Scient. Univ. Jassy. 14: 380-382. F.1927. no.3/4.

Papp, C.
Quelques mots sur les carnes de la capsule du Polytrichum formosum Hedw. Ann. Scient. Univ. Jassy. 15: 147. illus. F.1928. no.1/2.

Stănescu, P. P.
Contributions à l'étude de la photosynthèse. Ann. Scient. Univ. Jassy. 15: 161-212. pl.i-iii. F. 1928. no.1/2.

Stănescu, P.P.
Les variations quantitatives des produits de la photosynthèse dans les feuilles des plantes vertes pendant un jour (vingt-quatre heures). Ann. Scient. Univ. Jassy. 14: 383-508. illus. F.1927. no.3/4.

Ann. Chim. Appl. (Roma)
Scurti, F. & Pavarino, L.
Sopra una nuova alterazione funzionale delle pesche refrigerate. - Il male raggiante. Ann. Chim. Appl. 19: 371-382. xvi col. pl. on 9. S. 1929. no.9.

Ann. Accad. Agr. Torino.
Perroncito, E.
"La yerba-mate" e le sua proprietà curative.
Ann. R. Accad. Agr. Torino. 69: 51-53. 1927.

Ann. Rep. Nebraska State Hort. Soc.

Erwin, A. T.

How to tell a pumpkin from a squash. Ann. Rep. Nebraska State Hort. Soc. 1929: 27-30. [1929?]

Goss, R. W.

Various methods of disease control. Ann. Rep. Nebraska State Hort. Soc. 1928: 19-27. [1929?]
Vegetables.

Ann. Rep. Oregon State Hort. Soc.

Barss, H.P.

Bacterial blight of filberts. Ann. Rep. Oregon State Hort. Soc. 41: 190-195. [1927]

Barss, H.P.

Bacterial blight of walnuts. Ann. Rep. Oregon State Hort. Soc. 41: 196-199. [1927]

Barss, H.P.

Diseases of cherry in Oregon. Ann. Rep. Oregon State Hort. Soc. 41: 45-49. [1927]

Barss, H.P.

Diseases of vegetables in Oregon. Ann. Rep. Oregon State Hort. Soc. 41: 49-54. [1927]

McKay, M.B.

Narcissus and tulip diseases. Ann. Rep. Oregon State Hort. Soc. 41: 137-150. illus. [1927]

Schuster, C.E.

Pollination of the cherry. Ann. Rep. Oregon State Hort. Soc. 41: 65-69. [1927]

Zeller, S.M.

Diseases of small fruits. Ann. Rep. Oregon State Hort. Soc. 41: 80-89. [1927]

Arch. Suikerind. Nederl. Indië (Soerabaja)

Arrhenius, O.

Zuurgraad en suikerriet. Arch. Suikerind. Nederl. -Indië. 35: 1027-1043. O.1927. no.41.

Bolle, P. C.

Verdere onderzoekingen over pokkahboeng en toprot. Arch. Suikerind. Nederl.-Indië. 36: 116-129. F.1928. no.6.

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide)
Dixon, D.
The micro-organisms of cultivated and bush soils in Victoria. Austral. Journ. Exp. Biol. & Med. Sci. 5: 223-232. illus. S.15, 1928. no.3.

Ber. Deut. Chem. Ges. (Berlin)
Zechmeister, L. & Tuzson, P.
Zur kenntnis des xanthophylls I-II. Ber. Deut. Chem. Ges. 61(2): 2003-2009. 1928; 62: 2227-2232. 1929.

Ber. Oberhess. Ges. Nat. u. Heilk. Giessen.
Küster, E.
Ueber vitalfärbung von pflanzenzellen mit phthaleïnen. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. n.f., Naturw. Abt. 11: 8-16, 65-67. 1927.

Küster, E.
Vergrünung bei Dactylis. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. n.f., Naturw. Abt. 11: 28-32. 1927.

Spilger, L.
Schriftenverzeichnis zur heimischen pflanzenwelt. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. n.f., Naturw. Abt.11: 43-56. 1927.

Biochem. Zeitschr. (Berlin)
Schmalfuss, H., Barthmeyer, H. & Brandes, H.
Warum schwärzen sich die hülsen von Sarothamnus scoparius Wimm., dem besenginster? Biochem. Zeitschr. 189: 229-232. illus. 0.7, 1927. no.1/3.

Biol. Medd. K. Danske Vidensk. (København)
Børgesen, F.
Marine algae from the Canary Islands especially from Teneriffe and Gran Canaria. II. Phaeophyceae. Biol. Medd. K. Danske Vidensk. v.6, no.2. 112 p. illus. 1926.

Lind, J.
The geographical distribution of some Arctic micromycetes. Biol. Medd. K. Danske Vidensk. v.6, no.5. 45 p. 1927 no.5.

Bot. Közlem. (Budapest)

Nagy, J.

Adatok az Iris-magvak anatómiájának ismeretéhez (Beiträge zur kenntnis der anatomie der iris-samen). Bot. Közlem. 24: 30-47. illus. 1927.

German summary.

Rapaics, R.

A Szegedi és Csongrádi sós és Szikes talajok növénytársulásai (Die pflanzengesellschaften der salz- und Szikböden von Szeged und Csongrád) Bot. Közlem. 24: 12-29. 1927. no.1/2.

German summary: p. (4 -(5).

Scherffel, A.

Még egyszer a kérdés; Miért akadnak oly ritkán epifita bacillariaceák a zygnemaceák fonalain (Nochmals die frage: Warumfinden sich auf den fäden der zygnemaceen sozusagen kein epiphytischen bacillariaceen?) Bot. Közlem. 24: 112-120. 1927. no.3/4.

German summary: p.(23)-(32).

Brew. Journ. (London)

Salmon, E. S.

The control of the hop downy mildew in Bavaria. Brew. Journ. 64: 299-300. Je.15, 1928. no.756.

Salmon, E. S.

The downy mildew of the hop. Brew. Journ. 64: 44-47. Ja.15, 1928. no.751.

Bull. Agr. Exp. Stat. Kanagawaken, Japan.

Some studies on pear and pear breeding. Bull. Agr. Exp. Stat.Kanagawaken, Japan. 53. 104 p. illus., 41 pl. (3 col.). Ap.1927.

Bull. Inst. Pasteur. (Paris)

Wollman, E.

Bactériophagie et processus similaires, hérédité ou infection? Bull. Inst. Pasteur. 26: 1-14, 49-56. Ja.1928. no.1, 2.

I. La bacteriophagie. II. Maladies des mosaiques des plantes. III. Tumeurs filtrables.

Bull. Mus. Hist. Nat. Paris.

Camus, A.

Castanopsis nouveaux de Chine. Bull. Mus. Hist. Nat. Paris. II,1: 165. F.1929. no.2.

C. incana, C. chingii, n.spp.

Bull. Mus. Hist. Nat. Paris. (cont.)

Boil, D.

Cigares médicinaux en feuilles de Sphacele parviflora. Bull. Mus. Hist. Nat. Paris. II, 1: 335-336. Je. 1929. no.5.

Benoist, R.

Moracées nouvelles de la Guyane française. Bull. Mus. Hist. Nat. Paris. II, 1: 163-164. F. 1929. no.2.

Aliteria (gen.nov.) Aliteria sagoti, Ficus maroniensis, F. vulpina.

Benoist, R.

Une nouvelle espèce du genre Hypoestes (acanthacées). Bull. Mus. Hist. Nat. Paris. II, 1: 222-223. Ap.1929. no.3.

H. complanata.

Danguy, P.

Contribution a la flore de l'Indo-Chine. Bull. Mus. Hist. Nat. Paris. II, 1: 263. My.1929. no4.

Lobelia chevalieri.

Guillaumin, A.

Contribution à la flore de la Nouvelle-Caledonie. LI-LIII. Bull. Mus. Hist. Nat. Paris. II, 1: 117-123, 216-218. Ja., Ap.1929. no.1, 3.

Pellegrin, F.

Plantae Letestuanae novae ou Plantes nouvelles récoltees par M. Le Testu, de 1907 à 1919 dans le Mayombe congolais. XVII-XVIII. Bull. Mus. Hist. Nat. Paris. II, 1: 160-162, 219-221. F., Ap.1929. no.2,3.

Maesobotrya tsoukensis, Dorstenin Le Testui, D. nyangensis, Trymatococcus oligogyna, Costus Le Testui, C. maboumiensis, C. fimbriatus n.spp.

Bull. Off. Agr. Rég. Massif Central Clermont-Ferrand.

Dufrénoy, J.

Dépérissement des noyers. Bull. Off. Agr. Rég. Massif Central Clermont-Ferrand. 9: 109-113. illus. 1928.

Bull. Off. Agr. Rég. Massif. Central Clermont-Ferrand.(cont.)
Dufrénoy, J.
Les moisaïques du tabac. Bull. Off. Agr. Rég. Massif. Central. Clermont-Ferrand. 9: 114-125. illus. 1928.

Bull. Sect. Sci. Acad. Roumaine. (Bucarest)
Hormuzaki, C.
Die doppeltanne, eine neue koniferenart aus den österreichischen Alpen. Bull. Sect. Sci. Acad. Roumaine. 10(8/9): 24-32. illus. 1927.
Abies duplex, n.sp.

Bull. Soc. d'Encourag. Ind. Nat. (Paris)
Miège, E.
Aperçu sur les plantes tannifères du Maroc. Bull. Soc. d'Encourag. Ind.Nat. 126: 645-662. illus. O.1927.

Bull. Soc. Vaud. Sci. Nat. (Lausanne)
Meylan, C.
Recherches sur les myxomycètes du Jura. Bull. Soc.Vaud. Sci. Nat. 56: 319-328. Jl.1927. no.219.

Calif. Citrogr. (Los Angeles)
Barger, W. R.
Sodium bi-carbonate as citrus fruit disinfectant. Calif. Citrogr. 13: 164, 172-174. Mr.1928. no.5.

Chem. Age. (London)
Martin, H.
Chemistry and certain problems of applied mycology. Chem. Age. 21: 523. D.7, 1929. no.545.

Deutsche. Forst-Zeit. (Neudamm)
Schmook, A.
Reflektierte hitzestahlen. Deutsche Forst-Zeit. 43: 274-275. illus. Mr.9,1928.
Wilting of plants from reflected heat rays.

Deutsch. Zuckerind. (Berlin)
Kaufmann, O.
Die bedeutung von blattfleckenkrankheit und gürtelschorf für den rübenbau. Deutsche Zuckerind. 52: 1441-1442. D.31, 1927. no.2.
Cercospora beticola, Actinomyces.

Doświacdczaln. Roln. (Exper. Agr.) (Warszawa)

Dzikowski, B.

Charakterystyka zachwaszczania owsa w województwie Kieleckiem. (Die charakteristik der unkrautbesatzung des hafer in der woiwodschaft (provinzialverwaltung) Kielce). Doświacdczaln. Roln. (Exper. Agr.) 5(1): 23-65. 1929.

German summary: p.63-64.

Minkiewicz, S.

Współczesny stan badan z zakresu fitopatologji w Czechosłowacji. (The contemporary state of phytopathological investigations in Czechoslovakia). Doświacdczaln. Roln. (Exper. Agr.) 3(1/2): 65-77. 1927.

English summary: p.76-77.

Niklewski, B. & Krause, A.

Wpływ ciał koloidowych na rozwój korzeni roślin. (The influence of colloidsubstances on the development of the rootsystem of plants). Doświacdczaln. Roln. (Exper. Agr.) 4(3): 2-34. illus. 1928. no.3.

English summary: p.34.

Pałasiński, R. & Kożuchowski, A.

Lustracja plantacyj ziemniaczanych, w pow. Kutnowskim jesienią r. 1928 w związku z niebezpieczeństwem pojawienia się raka ziemniaczanego (Synchytrium endobioticum Perc.) (L'inspection des plantations de la pomme de terre dans le district de Kutno en vue de l'apparition de la maladie verruqueuse de la pomme de terre (Sychytrium endobioticum Pers.) dans le district voisinant). Doświacdczeln. Roln. (Exper.Agr.) 4(3): 15-26. illus.(maps) 1928.

French résumé: p.24-25.

Flor. Exch. (N.Y.)

McWhorter, F.P.

The cold storage company vs. "Mr.X" gladiolus grower. Flor. Exch. 72(12): 11, 38. n.23, 1929.

Fortschr. Landw. (Vienna)

Molz, E.

Reizphysiologische versuche zur bekämpfung des rübennematoden (Heterodera schachtii). Fortschr. Landw. 3: 337-346. Ap.15,1928. no.8.

Giorn. Chim. Industr. ed Appl.(Miland)
Pratolongo, U. & Allan, M.P.
Sulla costituzione e sulle proprietà di alcuni antiperonosporici più usati. Nota preliminare. Giorn. Chim. Industr. ed Appl. 10: 3-7 Ja.1928. no.1.

Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade).
Beck-Mannagetta, G.
Zur kenntnis der algen von Bosnien. Glasnik Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 36-42. 1928. no.1.

Becker, W.
Violae novae balcanicae. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 33-35. pl.iii-iv. 1928. no.1.
V. raunsiensis, V. pascua n.spp., V.dacica x tricolor = V.rilaensis n.hybr.

Černjavski, P.
Gehölzflora einiger kalktuffe in Südserbien. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 86-89. 1928. no.1.

Glišić, L.M.
Development of the female gametophyte and endosperm in Haberlea rhodopensis Friv. Glasnik Bot. Zavada i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade). 1: 1-13. illus.,pl.i-ii. 1928. no.1.

Glišić, L.M.
Zur entwicklungsgeschichte der solanaceen. Die endospermbildung von Datura metel L. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 75-85. illus. 1928. no.1.

Jakovljević, S.
Contribution a la connaissance de la structure et de la fonction des poils. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 14-32. illus. 1928. no.1.

Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst.& Jard. Bot. Univ. Belgrade) (cont.)

Košanin, N.

Aus der flora Südserbiens. I. Crocus-arten. Glasnik Bot. Zaboda i Bashte Univ. Beogrady. (Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 90-95. illus. 1928. no.1.

Malý, K.

Ein beitrag zur kenntnis der geographischen verbreitung der gattung Koeleria in den Balkanlandern. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull. Inst. & Jard. Bot. Univ. Belgrade) 1: 43-59. 1928. no.1.

Picbauer, R.

Fungi croatici. Glasnik Bot. Zavoda i Bashte Univ. Beogrady (Bull.Inst. & Jard. Bot. Univ. Belgrade) 1: 60-74. 1928. no.1.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) (Leningrad)

Agamov, S.

... Ueber die cuticulare transpiration. Izv. Glavn. Bot. Sada. SSR (Bull. Jard. Bot. Prin. URSS) 26: 576-594. 1927.

Russian with German summary.

Fedchenko, B.A.

... On the vertical range of ferns in the mountains of Turkestan. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) 26: 66-70. 1927. no.1.

Russian with very brief English summary.

Goncharov, N.F.

... Ad cognitionem passifloracearum brasiliensium. Passifloraceae ex herbario Riedeliano et Langsdorffiano. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 26: 556-562. 1927.

Russian with Latin diagnosis.

Krechetovich, V.I.

... Einige amerkungen über im gouvernement Jaroslaw auftretenden riedgrasarten. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 26: 621-627. 1928.

Russian with German summary.

Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) (cont.)

Lozina-Lozinskaja, A.S.

... Le genre Calligonum en Mongolie. Izv. Glavn. Bot. Sada SSSR(Bull. Jard. Bot. Prin. URSS) 26: 595-607. illus. (incl.map). 1927.

Russian with Latin diagnosis, describes 20 new species.

Skvortsov, B.V.

... Fragmenta florae Manshuriae. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. U.R.S.S.) 26: 81-84. 1927. no.1.

New varieties of Juglans manschurica.

Russian, Latin diagnosis.

Voronov, G.N.

... Beiträge zur kenntniss der liliaceen der Kaukasus-länder. I. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 26: 610-620. 1927.

Russian with Latin diagnosis.

I. Transkaukasische Bellevalia arten (B. speciosa, B. saviczii, B. araxina, B. albana, B. fominii, B. zygomorpha, n.spp.)

Voronov, G.N.

... Neue kaukasische Pyrus-arten. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin.URSS) 26: 608-609. 1927.

Russian with Latin diagnosis (P.raddeana, P. oxyprion, P. toachia).

Wolf, E.L.

... Rhododendronis flavi Don mutabilitas. Izv. Glavn. Bot. Sada SSSR (Bull. Jard. Bot. Prin. URSS) 26: 563-575. 1927.

Russian with Latin diagnosis.

Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.)

Ivanov, L. A.

... Lichtbedingungen in buchenwäldern in der Krim. Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.) 34: 27-62. 1927.

Russian with German summary.

Sukachev, V.N.

... Zur frage der kultur des "badans". (Bergenia crassifolia Fritsch). Izv.Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.) 34: 63-66. 1927.

Russian with German summary.

Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.) (cont.)

Vakin, A.T.

... Die herzfäule der fichte in den revieren des Rshewsky-forstes des gouvernements Twer. Izv. Leningr. Lesn. Inst. (Mitt. Leningr. Forstinst.) 35: 105-154. 1927.

Russian with German summary.

Fomes annosus, Trametes abietis; occasionally F. pinicola & Polyporus borealis.

Journ. Amer. Chem. Soc.

McClendon, J.F. & Remington, R.E.

The determination of traces of iodine. II. Iodine in vegetables. Journ. Amer. Chem. Soc. 51: 394-399. F.1929.

Methods.

Journ. Biol. Chem. (Baltimore)

Heller, V. G.

Vitamin synthesis in plants as affected by light source. Journ. Biol. Chem. 76: 499-511. Ja. 1928.

Link, K.P., Angell, H.R. & Walker, J.C.

The isolation of protocatechuic acid from pigmented onion scales and its significance in relation to disease resistance in onions. Journ. Biol. Chem. 81: 369-375. F.1929. no.2.

Journ. Counc. Sci. Industr. Res. Australia. (Melbourne)

Carne, W.M.

Bitter pit in apples: some recent investigations. Journ. Counc. Sci. Industr. Res.Australia. 1: 358-365. N.1928. no.6.

Carne, W.M., Pittman, H.A. & Elliott, H. G.

Notes on certain disorders of Cleopatra apples. Journ. Counc. Sci. Industr. Res. Australia. 2: 49-52. pl.i. F.1929. no.1.

Finnemore, H. & Gledhill, W.C.

Poison plants: the presence of cyanogenetic glucosides in certain species of Acacia. Journ. Counc. Sci.Industr. Res. Australia. 1: 254. My.1928. no.4.

Goddard, E.J.

Bunchy top in bananas. Journ. Counc. Sci. Industr. Res. Australia. 2: 21-27. pl.2-3. F.1929. no.1.

Journ.Counc.Sci. Industr. Res. Australia.(cont.)

Pittman, H.A.

Spotted wilt of tomatoes. Journ. Counc. Sci. Industr. Res. Australia. 1: 74-77. pl.i. N.1927. no.2.

Virus disease transmitted by Thrips tabaci.

Seddon, H.R. & Hindmarsh, W.L.

Boussingaultia baselloides, "lambs' tails", a reputed poisonous climber. Journ.Counc. Sci. Industr. Res. Australia. 2: 53-54. F.1929. no.1.

Journ. For. (Washington,D.C.)

Hubert, E.E.

Relation of forest management to the control of white pine blister rust. Journ. For. 26: 892-898. N.1928. no.7.

Snell, W.H.

Blister rust in the Adirondacks. Journ.For. 26: 472-486. Ap.1928. no.4.

Journ. Gen. Physiol. (Baltimore, Md.)

Osterhout, W.J.V. & Harris, E.S.

Notes on the nature of the current of injury in tissues. Journ. Gen. Physiol. 13: 47-56. illus. S.20,1929. no.1.

Experiments with Nitella.

Journ. Sci. Agr. Soc. Japan. (Tokyo)

Asami, Y.

A study of the growth response of branches to unequal cutting in the same tree of the Japanese persimmon. Journ. Sci. Agr. Soc. Japan. 312: 449-462. N.5, 1928.

Journ. Soc. Agr. & For. Sappore, Japan.

Hiratsuka, N. & Homma, Y.

List of the parasitic fungi collected in Horomui moor-land, Hokkaido. Journ. Soc. Agr. & For. Sappor, Japan. 19: 178-182. S.1927. no.85.

In Japanese.

Takahashi, E. & Shirahama, K.

On the acetone soluble protein of naked barley. Journ. Soc. Agr. & For. Sapporo, Japan. 19: 105-123. S.1927, no.85.

In Japanese.

Journ. Soc. Agr.& For. Sapporo, Japan. (cont.)

Tatewaki, M.

The vernal vegetation in the vicinity of Cape Erimo and Mt. Apoi, Prov. Hidaka, Hokkaido. Journ. Soc. Agr. & For. Sapporo, Japan. 19: 137-156. 2 pl. S.1927. no.85.

In Japanese, English summary: p.152-156.

Kolloichem. Beih. (Dresden)

Gicklhorn, J.

Beobachtungen uber die vitale farbstoffspeicherung. Kolloidchem. Beih. 28: 367-382. illus. 1 pl. Ap.15, 1929. no.7/10.

Keller, R.

Elektrostatik als eigenes arbeitsgebiet in der biochemie. Kolloidchem. Beih. 28: 219-234. illus. pl.1. Ap.15, 1929. no.7/10.

Pekarek, J.

Die vitalfärbung als allgemeine botanische untersuchungsmethode. Kolloidchem. Beih. 28: 280-285. illus. Ap.15, 1929. no.7/10.

Pekarek, J.

Vitalfärbung von nektarien. Kolloidchem. Beih. 28: 353-366. illus., pl. Ap.15, 1929. no.7/10.

Umrath, K.

Zell- und gewebspotentiale. Kolloidchem. Beih. 28: 259-262. Ap.15, 1929. no.7/10.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwetensch. (Amsterdam)

Eversmann, F. & Aberson, J.H.

Nadere onderzoekingen over de veenkoloniale haverziekte. Landbouwk. Tijdschr. Maanbl.Nederl. Genootsch. Landbouweteusch. 39: 270-293. illus. Jl./ag. 1927. no.466/467.

Landtmannen (Stockholm)

Åkerman, Å.

Några erfarenheter om rotdödarens härjngar på de skånska vetefälten. Landtmannen. 10: 739. S.10, 1927.

Landtmannen (cont.)
Tedin, O.
Rotdödarens härjningar på Skånes vetefält. Landtmannen. 10: 705-707. S.3, 1927.

Landw. Zeit. Westfalen u. Lippe. (Münster i W.)
Friedrichs, G.
Ueber die prüfung von beizmitteln und beizmaschinen. Landw. Zeit. Westfalen u. Lippe. 85: 641-643. Je.21, 1928. no.25.

Haken, T.
Die moderne prüfung neuer kartoffelsorten auf krebsfestigkeit. Landw. Zeit. Westfalen u. Lippe. 85: 634-635. illus. Je.21, 1928. no.25.

Kotthoff, P.
Die krautfäule der kartoffeln und ihre bekämpfung. Landw. Zeit. Westfalen u. Lippe. 85: 640-641. Je.21, 1928. no.25.

Kotthoff, P.
Die wirtschaftliche bedeutung der bekämpfung der stockkranfheit des roggens durch den anbau nicht aufälliger sorten. Landw. Zeit. Westfalen. u Lippe. 85: 638-639. Je.21, 1928. no.25.

Spieckermann, A.
Zur gesundheitskontrolle der blumeneinfuhr. Obst- u. Gartenb. Zeit. 17: 62-63. Je.21, 1928. (With Landw. Zeit. Westfalen u. Lippe v.85, no.25)

Mem. Coll. Agr. Kyoto Imp. Univ.
Masui, K.
A study of the ectotrophic mycorrhizas of woody plants. Mem. Coll. Sci. Kyoto Imp. Univ. Ser.B, 3: 149-279. illus., pl.vii-xi. Ag.1927.

Mem. Soc. Sci. Nat. Maroc.
Emberger, L.& Maire, R.
Spicilegium rifanum. Mém. Soc. Sci. Nat. Maroc. 17: 1-59. 7 pl. D.1927.
Atlas Mts., Morocco.

Memor.Soc. Fauna & Flora. Fenn. (Helsingfors)

Eklund, O.

Versuche uber das keimungs- und schwimmvermogen einiger samen und früchte in Ostseewasser. Memoranda Soc. Fauna et Flora Fenn. 2: 13-29. 1927.

English summary: p.29.

Eklund, O.

Weitere versuche über keimung in meerwasser. Memoranda Soc. Fauna et Flora. Fenn. 3: 45-88. illus. 1927.

Mezőgazd. Kutat. Budapest.

Schilberszky, K. & Urbanyi, J.

"Triamid" mütrágyás vetomagporozószer laboratóriumi vizsgálata. Mezőgazd. Kutat. Budapest. 2: 433-438. illus. O.1929. no.10.

Mitt. Anhalt. Versuchsst. Bernburg.

Krüger, W. & Wimmer, G.

Kann die phosphorsaure bei der ernährung unserer kulturpflanzen teilweise durch kieselsäure ersetzt werden? Mitt. Anhalt. Versuchsst. Bernburg. no.64. p.117-193, col.pl.2. 1927.

Krüger, W. & Wimmer, G.

Ueber nicht parasitäre krankheiten der zucherrübe. Mitt. Anhalt. Versuchsst. Bernburg. no.65. p.195-289. illus. col.pl.1, 3-64. 1927.

Mitt. Bot. Inst. Techn. Hochsch. Wien.

Höhnel, F.v.

Die Cytospora-arten der europäischen Rubus-arten. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 65-67. 1928.

All forms found on Rosa and Rubus appear to be merely sub-species of Valsa ambiens.

Höhnel, F.v.

Ueber Aposphaeria populina Diedicke. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 102-103. 1928.

Abnormal form of Pleurophomella spermatiospora Höhnel.

Höhnel, F.v.

Ueber Cytopsora melanodiscus (Otth) Höhnel. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 16-18. 1928.

Type of new genus: Cyclocytospora.

Mitt. Bot. Inst. Techn. Hochsch. Wien. (cont.)

Höhnel, F.v.
Ueber Cytospora punica Sacc. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 67-70. 1928.

Höhnel, F.v.
Ueber Dendrophoma didyma Fautr. et Roumeg. Mitt. Bot. Inst. Techn. Hoch. Wien. 4: 79-80. 1927.

Type of new genus: Discosporella.

Höhnel, F.v.
Ueber Diaporthe asparagi Fuckel. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 42-44. 1927.

Homostegia asparagi (Fuck.) Höhn. The imperfect form ascribed to it by Fuckel is a Phomopsis, answering closely to Ph.pardalota Diedicke.

Höhnel, F.v.
Ueber die Cytospora-arten auf Acer. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 70-75. 1928.

C. ambiens (Valsa ambiens) and C. pseudoplatani (V. pseudoplatani) with excluded species.

Höhnel, F.v.
Ueber die Cytospora-arten auf Fagus silvatica. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 44-49. 1928.

Six valid Cytospora spp. on the red beech, corresponding to 6 Valsa spp. and divided into two sections: Eucytospora and Leucocytospora.

Höhnel, F.v.
Ueber die Cytospora-arten auf Fraxinus excelsior. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 21-23. 1928.

Höhnel, F.v.
Ueber die Cytospora-arten auf Salix in Europa. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 54-58. 1928.

Höhnel, F.v.
Ueber die Cytospora-arten auf Ulmus. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 50-52. 1928.

Mitt. Bot. Inst. Techn. Hochsch. Wien. (cont.)

Höhnel, F.v.
Ueber die Cytosporeen und Valso-arten auf Rhus. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 18-20. 1928.

Höhnel, F.v.
Ueber die europäischen valseen und Cytospora-arten auf Cornus. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 69-73. 1927.

Höhnel, F.v.
Ueber die für Europa beschriebenen Cytospora-arten der abietineen. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 5-15. 1928.

Höhnel, F.v.
Ueber die gattung Cytosporina Saccardo Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 59-69. 1927.
With notes on closely related genus Libertella of Desmazieres.

Höhnel, F.v.
Ueber die gattung Kabatia Bubák. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 100-102. 1927.

Höhnel, F.v.
Ueber die gattung Niptera Fries. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 38-41. 1927.

Höhnel, F.v.
Ueber die gattung Titaeospora Bubák. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 1-4. 1928.

Höhnel, F.v.
Ueber die gattung Darluca Castagne, Botryella Syd. und Diplodothiorella Bub. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 52-58. 1927.

Höhnel, F.v.
Ueber die nebenfruchtform von Pezicula Rubi (Libert) Niessl. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 105-106. 1927.
New form-genus Discosporina, based on Discosporium deplanatum (Lib.) Höhnel.

Mitt. Bot. Inst. Techn. Hochsch. Wien. (cont.)

Höhnel, F.v.
Ueber die pyknidenpilze von Diaporthe rudis (Fries) Nitschke. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 97-100. 1928.
Phomopsis rudis (Sacc.) Höhnel and synonymy.

Höhnel, F.v.
Ueber die Valsa- und Cytospora-arten auf Populus. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 58-59. 1928.
Leucostoma nivea (Hoffm.) Höhnel with C. nivea, C. ambiens and C. chrysosperma.

Höhnel, F.v.
Ueber die zu Diaporthe Robergeana (Desm.) Niessl gehorige Phomopsis-artige nebenfruchtform. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 91-94. 1928.
Phonopsella, new gen. (P. maculenta (Rob.) Höhnel).

Höhnel, F.v.
Ueber Dothidea melanoplaca Desmazieres. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 116-118. 1928.

Höhnel, F.v.
Ueber Fusarium maculans Sandri. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 75-77. 1927.
Phloeosporella maculans (Sandri) Höhnel.

Höhnel, F.v.
Ueber Fusarium subectum Roberge. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 73-74. 1927.
Gloeosporidium subtectum (Rob.) Höhnel.

Höhnel, F.v.
Ueber Fusoma veratri Allescher. Mitt. Bot. Inst. Techn. Hochschr. Wien. 4: 111-112. 1927.
Gloeosporium veratri (Allescher Höhnel). (syn. Marssonia veratri Ell. & Ev., Fusarium veratri Höhnel and Septogloeum veratri Wollenweber)

Höhnel, F.v.
Ueber Hendersonia (Sphaerospora) caulicola Desmazières. Mitt. bot. Inst. Techn. Hochsch. Wien. 4: 77-78. 1927.
Colletotrichium caulicola (Desm.) Höhnel.

Mitt. Bot. Inst. Hochsch. Wien. (cont.)

Höhnel, F.v.
Ueber Hendersonula macrosperma Cav. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 94-96. 1927.
Should be called Stilbospora macrosperma.

Höhnel, F.v.
Ueber Leptothyrium Polygonati F. Tassi. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 107-109. 1927.
Does not belong to Leptostromaceae but to Leptomelanconeae, forming type of new genus Pseudothyrium.

Höhnel, F.v.
Ueber Marcosia ulei Sydow. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 113-114. 1927.
A good form-genus, best related to the Tubercularieae and very close to Podosporiella Ell. & Ev.

Höhnel, F.v.
Ueber Peziza elaphines Berk. et Broome. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 107-108. 1928.

Höhnel, F.v.
Ueber Phleospora jaapiana P. Magnus. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 115-116. 1927.
Identical with Ramularia statices Rostrup.

Höhnel, F.v.
Ueber Phoma communis Roberge und Phoma velata Sacc. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 100-102. 1928.
Both forms of Phomopsis communis, which is the conidial form of Diaporthe velata.

Höhnel, F.v.
Ueber Phyllosticta? Argentinae Desm. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 51-52. 1927.

Höhnel, F.v.
Ueber Hendersonia meridionalis D.Sacc. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 103-106. 1928.

Mitt. Bot. Inst. Hochsch. Wien. (cont.)

Höhnel, F.v.

Ueber Phyllostica? primulaecola Desm. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 115-116. 1928.

Evidently an imperfect form of Carlia, hitherto not found in perfect form.

Höhnel, F.v.

Ueber Rhabdospora Rhinanthis Oudemans. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 46-49. 1927.

Höhnel, F.v.

Ueber Septocylindrium aspidíi Bres. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 102-104. 1927.

Höhnel, F.v.

Ueber Septoria Le Bretoniana Sacc. et Roum. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 95-97. 1928.

Identical with S. genistae, which is the Phomopsis of Diaporthe sarothami (Phomopsis sarothamni (Sacc.) Höhnel).

Höhnel, F.v.

Ueber Septoria notha Saccardo. Mitt.Bot. Inst. Techn.Hochsch. Wien. 5: 108-112. 1928.

New genera: Leptosillia (L.notha Höhnel) and Harpostroma (H.notha (Sacc.?) Höhnel), conidial form of Leptosillia.

Höhnel, F.v.

Ueber Sirosperma hypocrellae Sydow. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 49-51. 1927.

Sirosperma must for the present be considered valid.

Höhnel, F.v.

Ueber Sphaeria arbuticola Sowerby. Mitt. Bot. Inst. Techn.Hochsch. Wien. 5: 88-90. 1928.

Anomyces, new gen. (A.arbuticolus (Sow.) Höhnel)

Höhnel, F.v.

Ueber Sphaeria baggei Auerswald. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 113-114. 1928.

Telimena baggei (Awld.) Höhnel.

Mitt. Bot. Inst. Hochsch. Wien. (cont.)

Höhnel, F.v.

Ueber Sphaeria geographica DC. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 96-99. 1927.

Imperfect form of a Diaporthe, probably belonging to Linospora ochracea (Desm.)

Höhnel, F.v.

Ueber Steganosporium multiseptatum Strass. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 104. 1927.

Fenestella macrospora.

Höhnel, F.v.

Ueber Trematosphaeria Morthieri Fuck. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 44-46. 1927.

Höhnel, F.v.

Ueber valseen und Cytospora auf Prunus in Europa. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 60-64. 1928.

Höhnel, F.v.

Ueber valseen and Cytospora auf Rhamnus. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 52-53. 1928.

Höhnel, F.v.

Ueber zwei Asteroma-arten. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 110-112. 1927.

1. A. elegans Roberge in Herb., 2. A. graphoides Rob. in Herb.

Höhnel, F.v.

Ueber zwei Cytospora-arten. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 75-77. 1928.

C. spinescens Sacc. identical with C. horrida Sacc.; C. kerriae Diedicke.

Höhnel, F.v.

Valsa und Cytospora auf Corylus in Europa. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 86-88. 1928.

V. ambiens and V. ceratophora with their corresponding Cytospora forms.

Mitt. Bot. Inst. Hochsch. Wien. (cont.)

Höhnel, F.v.

Valseen und Cytospora auf pomaceen in Europa. Mitt. Bot. Inst. Techn. Hochsch. Wien. 5: 77-86. 1928.

Höhnel, F.v.

Studien über ascomyceten 3. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 33-38.1927.

Litschauer, V.

Ueber Corticium microsporum Karsten sensu Bourdot et Galzin. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 86-94. 1 pl. 1927.

Divides into C. microsporum (C.byssinum Karst. var. microspora) and C. submicrosporum n.sp.

Weese, J.

Beitrag zur kenntnis der gattung Calonectria de Notaris. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 18-28. 1927.

Weese, J.

Eumycetes selecti exsiccati. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 1-17, 1927; 5: 23-32, 33-43. 1928.

Weese, J.

Ueber die gattung Bionectria Speg. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 116-118. 1927.

Weese, J.

Ueber die gattung Dialhypocrea Speg. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4: 81-86. 1927.

Referred to Neoskofitzia.

Weese,J.

Ueber Hypocrea pulvinata Fuckel. Mitt. Bot. Inst. Techn. Hochsch. Wien. 4; 28-32. 1927.

H. citrina f. fungicola Karst., H. Karsteniana Niessl, and.H. fungicola Karst. are identical.

Mykologia. (Prague)

Baudyš, E.

Houbařskè poznámky z Tišnovska. Mykologia. 4: 43-46, 66-71. illus. 1927.

Notes mycologiques aux environs de Tišnov.

Page 69-71, Seznam dřevnich druhu hub z okoli Tišnova na Moravě.

Corticium baudysii Pilat sp.n.; p. 70.

Mykologia. (cont.)

Bělehradek, J.
O světelkovani hub a o biologii václavky.
Mykologia. 4: 20-22. F. /Mr. 1927. no.2/3.
La phosphorescence des champignons et la
biologie d'Armillaria mellea.

Jelínek, A.
Fotografování hub. Mykologia. 4: 86-90.
Jl./O. 1927. no.7/8.
Photographing fungi.

Káš, V.
Přeměna plísní v kvasinky. Mykologia. 4:
107-111. illus. N./D. 1927. no.9/10.
Le changement des moisis en Saccharomycetes.

Káš, V.
K sedmdesátým narozeninám prof. dr. J. Stoklasy.
Mykologia. 4: 81-82. port. Jl./O. 1927. no.7/8.

Klika, B.
Hymenogaster thwaitesii Berk. et Br. v Čechách.
Hymenogaster thwaitesii Berk. et Br. en Bohême.
Mykologia. 4: 111-114. illus. N./D. 1927. no.9/10.

Klika, B.
Naše lanýže. Mykologia. 4: 8-11, 24-27.
illus. Ja., F./Mr. 1927. no.1, 2/3.
Nos espèces du genre Tuber.

Klika, B.
Pýchavka závojová (Lycoperdon velatum Vitt.)
Mykologia. 4: 83-85. illus. Jl./O. 1927. no.7/8.

Kučera, J.
Co jest Russula nitida Pers.? Mykologia. 4:
63-66. illus. My./Je. 1927. no.5/6.
Qu'est ce que Russula nitida Pers.?

Kučera, J.
Russula caerulea Pers. Mykologia. 4: 120-123.
illus. N./D. 1927. no.9/10.

Mykologia. (cont.)

Kučera, J.

Russula furcata Pers.-Fr. vzacnost? (Russula furcata Pers.-Fr. est-elle rare?) Mykologia. 4: 95-99. illus. Jl./O. 1927. no.7/8.

Macku, J.

Therapeutick´ význam nékterých nižšich hub. Mykologia. 4: 57-58. My./Je. 1927. no.5/6.

L'importance thérapeutique de quelques champignons inférieurs.

Pilát, A.

A be Giacomo Bresadola. Mykologia. 4: 17-19. port. F./Mr. 1927. no.2/3.

Seznam význačnějsich praci Bresadolových: p.19.

Pilát, A.

Fistulina hepatica Schaeff. Mykologia. 4: 52. col.pl. 1927.

Pilat, A.

Nová šupinovka pro Čechy-Pholiota terrigena Fr. (Pholiota terrigena Fr. in Böhmen). Mykologia. 4: 118-120. illus. N./D.1927. no.9/10.

Pilát, A.

O choroší lékařskem - Polyporus officinalis Vill. Mykologia. 4: 4-8. illus., pl. Ja. 1927. no.1.

Pilát, A.

Polyporus giganteus Fries. Mykologia. 4: 52-53. pl. 1927. no.4.

Pilát, A.

Příspěvek ku pozání aphyllophoracei západního Slovenska (Ein beitrag zur kenntnis der aphyllophoraceen der westl. Slowakei). Mykologia. 4: 72-74. My./Je. 1927. no.5/6.

Pilát, A.

Příspěvek ku poznáni chorošu z okolí Olomouce. (Ein beitrag zur kenntnis der polyporeen aus der umgebung von Olmitz) Mykologia. 4: 49. Ap. 1927. no.4.

Mykologia. (cont.)

Pilát, A.
Z mykologického výletu na ostrově Bubaque. (Aus einer mykologischen exkursion an der Insel Bubaque in der Portugiesischen Guinea.) Mykologia. 4: 105-106. pl. N./D. 1927. no.9/10.

Podzimek, J.
Coprinus comatus F.D. porcellanus Schff. (Hnojnik obecný). Mykologia. 4: 39. pl. 1927. no.3.

Podzimek, J.
Příspěvek k poznani mykoflory okoli Hořic v Podkrkonoši (Les champignons aux environs de Hořice). Mykologia. 4: 34-37, 50-51. 1927. no.3,4,

Podzimek, J.
Russula decolorans Fries (holubinka zabarvená). Mykologia. 4: 38-39. col.pl. F./Mr. 1927. no.3.

Podzimek, J.
Zajímavý, nový druh rodu Collybia (Eine interessante neue art der gattung Collybia). Mykologia. 4: 99-101. illus. Jl./O. 1927. no.7/8.
C. pruni.

Šimr, J.
Kustřebky z oboli Kostomlat pod milešovkou. (Les pezizées aux environ de Kostomlaty). Mykologia. 4: 117-118. N./D.1927. no.9/10.

Skyva, Fr.
Tři nové houby pro Moravu (Trois espèces nouvelles pour Morava). Mykologia. 4: 92-95, 114-116. illus. Jl./O., N./D.1927. no.7/8, 9/10.
Amanita ovoidea, Pholiota spectabilis, Boletus rubellus.

Velenovský, J.
Dvě nove čiruvky z okoli pražskeho. Mykologia. 4: 22-23. F./Mr. 1927. no.2/3.
Deux espèces du genre Tricholoma aux environs de Prague (T. latiusculum Britzelm., T. glareosum sp.n.)

Mykologia. (cont.)

Velenovský, J.
Katmanka harni a příbuzné druhy (Amanita verna Pers. et aff.) Mykologia. 4: 91-92. Jl./O.1927. no. 7/8.

Velenovský, J.
Novy druh rodu Polyporusv Čechách. Mykologia. 4: 12. pl. Ja. 1927. no.1.
Polyporus foetidus, n.sp. in Czechoslovakia.

Velenovský, J.
O nových pro Čechy druzích r. Pleurotus (Kliva). Mykologia. 4: 27-34. illus. F./Mr. 1927. no.2/3.
Nouvelles espèces du genre Pleurotus en Bohème.

Velenovský, J.
Václavka hlíznatá (Armillaria bulbosa Barla). Mykologia. 4: 116-117. N./D.1927. no.9/10.

Northwest Science. (Cheney)

Hubert, E.E.
Red-ray rot in Pinus ponderosa. Northwest Science. 2: 45-47. Je.1928. no.2.
Polyporus anceps.

Sprague, R.
Species of Ascochyta found on legumes in the northwest. Northwest Science. 2: 109-110. D. 1928. no.4.
On peas, Vicia spp.& alfalfa.

Novitates Mus. Sarajev.

Maly, K.
Ueber eine neue spielart von Prunus spinosa Novitates Mus. Sarajev. no.6. 3 p. col.pl. 1928.
P. spinosa varbossania.

Palestine Citrogr.

Antebi, S.
Some observations on the "June drop" of oranges. Palestine Citrogr. 1(7): 11. Ag. 1928. no.7.

Katzprowsky, S.
The "fainting" or withering of the new bud-growth and its cause. Palestine Citrogr. 1(8): 9-10. S. 1928. no.8.
Due to over-forcing the trees.

Palestine Citrogr. (cont.)

Reichert, I. & Perlberger, J.
The blast disease of citrus -- A new citrus disease in Palestine. Palestine Citrogr. 1(4): 5-7. Mr. 1928.

Reichert, I. & Littauer, F.
The decay of citrus fruits in Palestine and its prevention. Palestine Citrogr. 1(8): 4-7; (9): 5-8. S.-O. 1928.

Reichert, I.
On the investigation of citrus diseases in Palestine. Palestine Citrogr. 1(11/12): 16-17 D. 1928.

Pflanzenbau. (Berlin)

Braun, H.
Untersuchungen zur frage der kartoffelbeizung. Pflanzenbau. 5: 161-177. D.15, 1928. no.11/12.

Hess, G.
Morphologische untersuchungen an 8 hafersorten während des wachstums und an der reifen pflanze. Pflanzenbau. 5: 154-156. N.15, 1928. no.9/10.

Hoffmann, W.
Ueber das wachstum und die entwicklung der flachspflanze und ihre beeinflussung durch das wetter. P flanzenbau. 5: 123-124. O.15, 1928. no.7/8.

Ihne, E.
Welche praktische anwendung hat bis jetzt die pflanzenphaenologie gefunden? Pflanzenbau. 5: 98-107. O.15, 1928. no.7/8.

Klapp, E. L.
Weitere sortenunterschiede bei kartoffeln. Pflanzenbau. 5: 107-117. illus. col.pl. O.15, 1928. no. 7/8.

Merkenschlager, F.
Die nordische und die mediterrane gelblupine. P flanzenbau. 5: 147-152. illus. N.15, 1928. no.9/10.

Pflanzenbau. (cont.)

Meyer, K.

Untersuchungen über den keimungsverlauf von winterweizensorten in zuckerlösungen. Pflanzenbau. 5: 122-123. O.15, 1928. no.7/8.

Plaut, M.

Kritisches und statistisches zu beizmethoden, beizmitteln und auswinterung. Pflanzenbau. 4: 337-345. illus. My.1928. no.22.

Raum, H.

Zur frage der abstammung unserer getreidearten. Pflanzenbau. 5: 125-128. N.15, 1928. no.9/10.

Stählin, A.

Ein zytologischer beitrag zur frage nach den verwandtschaftsbeziehungen der saatluzerne (Medicago sativa L.). Pflanzenbau. 5: 152-153. illus. N.15, 1928. no.9/10.

Polskie Pismo Entom. (Bull. Entom. Pologne) (Lwow)

Siemaszko, J. & Siemaszko, W.

Owadorosty polskie i palearktyczny. (Laboulbeniales polonici et palaearctici). Polskie Pismo Entom. (Bull. Entom. Pologne). 6: 188-211. pl.vii. My.15, 1928. no.3/4.

Polish with English summary.

Preslia. (Praha)

Hilitzer, A.

Notes sur quelques lichens récoltés dans les Jeseniky. Preslia. 5: 3-5. 1927.

Klika, J.

Příspěvek ke geobotanickému výzkumu Velké Fatry. (Une étude géobotanique de Velká Fatra. Les types forestiers). Preslia. 5: 6-35. 1927.

French résumé: p.33-34.

Kuták, V.

Třetí příspěvek ku květeně českých lišejníků (Troisième contribution à la connaissance des lichens de la Bohême). Preslia. 5: 36-51. 1927.

French résume: p.51.

Preslia. (cont.)

Němejc, F.

Psygmophyllum purkyněi Šusta and Psygmophyllum delvali Cambier et Renier. Preslia. 5: 138-140 1927.

Psygmophyllum purkyněi a synonym for P.delvali.

Novák, F. A.

Ad florae Serbiae cognitionem additamentum alterum. Preslia. 5: 65-137. illus., 6 pl. 1927.

Rohlena, J.

O vegetačních rozdilech mezi severní a jižni exposici v Čechách (Ueber die vegetationsunterschiede zwischen der Nord- und Südexposition in Böhmen). Preslia. 5: 52-64. 1927.

German resume: p.62-64.

Vilhelm, J.

František Bubák. Preslia. 5: 227-229. port. 1927.

Vlach, V.

Příspèvek k poznání slovenských řas. (Une contribution à la connaissance des algues de Slovaquie). Preslia. 5: 147. 1927.

Proc. Amer. Phil. Soc. (Philadelphia)

Harshberger, J.W.

Tundra vegetation of Central Alaska directly under the Arctic Circle. Proc. Amer. Phil. Soc. 67: 215-234. illus. 1928.

Reprinted in Contr. Bot. Lab. Univ. Penn. v.6, 1929.

Trelease, W.

Two additional species of Trianaeopiper. Proc. Amer. Phil. Soc. 67: 335-338. illus. 1928. no.4.

T. killipi, T. santa-rosanum.

Proc. Soc. Exp. Biol. & Med. (N.Y.)

Irwin, M.

Multiple partition coefficients of penetration. Proc. Soc. Exp. Biol. & Med. 25: 127-130. N.1927. no.2.

Experiments on Nitella and Valonia.

Rane, L.

Virulence, electrophoresis, and conversion characteristics of Bact.phaseoli sojense, S. and R. Proc. Soc. Exp. Biol. and Med. 26: 299-301. Ja.1929.

Proc. Imp. Acad. Tokyo.

Komuro, H.

Vergleichende studien uber die zytologischen veränderungen in den wurzelspitzen der durch kohlenteer bezw. Röntgen-strahlen behandelten pflanzen. (Vorläufige mitteilung). Proc. Imp. Acad. Tokyo. 3: 445-448. illus. Jl.1927. no.7.

Protoplasma. (Leipzig)

Brinley, F.J.

Penetration of hydrogen cyanide into living cells, Protoplasma. 2: 385-391. Ag.1927. no.3.

Experiments with Elodea and Limnobium.

Brooks, M.M.

Studies on the permeability of living cells VIII. The effect of chlorides upon the penetration of dahlia into Nitella. Protoplasma. 2: 420-427. Ag.1927. no.3.

Niethammer, A.

Stimulationswirkungen im pflanzenreich III. Die beeinflussung ruhender knospen und der zellteilung durch thyreoidea und zinksulfat. Protoplasma. 2: 392-400. Ag.1927. no.3.

Rea, M. W.

The hydrion concentration of plant tissues. VI. Stem tissue reactions throughout the year. Protoplasma. 2: 428-459. Ag.1927. no.3.

Scarth, G.W.

Stomatal movement: its regulation and regulatory rôle; a review. Protoplasma. 2: 498-511. Ag.1927. no.3.

Stiles, W.

The exosmosis of dissolved substance from storage tissue into water. Protoplasma. 2: 577-601. O.1927. no.4.

Quart. Jour. Pharm. & Allied Sci.

Small, J.

The ma huang of commerce. Quart. Jour. Pharm. & Allied Sci. 1:163-167. 2 pl. 1928.

Ephedra sinica, E. distachya, E. equisetina.

Res. Bull. Gifu Imp. Coll. Agr.

Hiura, M.

Studies on some downy mildews of agricultural plants. II. Relation of meteorological conditions to the downy mildew of cucumber. Res. Bull. Gifu Imp. Coll. Agr. 6. 54, 2 p. Mr.1929.

Japanese with English summary.

Rev. de Agr.(Piracicaba)

Bitancourt, A.A.

Uma doença do eucalypto. Rev. de Agr. (Piracicaba). 2(1): 32-39. illus. Jl./Ag.1927. no. 1.

Colletotrichum eucalypti n.sp.

Bitancourt, A. A.

Os protozoarios e o mosaico. Rev. de Agr. (Piriciaba) 1(4): 9-17. illus. My./Je.1927.

Rev.Industr. y Agr. Tucuman. (Buenos Aires)

Fawcett, G. L.

La clorosis de la cana recién brotada. Rev. Industr. y Agr. Tucuman. 19: 214-215. D.1928/Ja. 1929.

Fawcett, G.L.

Manera de determinar los lugares infestados por la enfermedad del ananás de la caña de azúcar. Rev. Industr. y Agr. Tucuman. 19: 213-214. D.1928/Ja.1929.

Fawcett, G.L.

Plaga de los alfalfares. Rev.Industr. y Agr. Tucuman. 19: 215. D.1928/Ja.1929.

Rhizoctonia violacea. Rotation suggested as means of control

Rev. Bot. Appl. (Paris)

Carle, G.

Nouvelles observations sur la culture des plantes à tanin à Madagascar. Rev. Bot. Appl. 8: 53-58. Ja.1928. no.77.

Chevalier, A.

Le beignefala du Sénégal (Cymbopogon giganteus Chiovenda). Rev. Bot. Appl. 7: 829-836. D.1927.

Rev. Bot. Appl. (cont.)

Chevalier, A.
Révision des Acacia du nord, de l'ouest et du centre afxicaïn. Rev. Bot. Appl. 8: 46-52. Ja. 1928. no.77.

Lambert, & Yersin, A.J.E.
Essais d'acclimatation de l'arbre à quinquina en Indochine. II. Rev. Bot. Appl. 7: 809-816. D.1927. no.76.

Perrier de la Bathie, H.
Les bois d'ébénisterie de la côte ouest de Madagascar. Rev. Bot. Appl. 8: 469-477. Jl. 1928. no.83.

Perrier de la Bathie, H.
Les pestes végétales à Madagascar. Rev. Bot. Appl. 8: 36-43. Ja.1928. no.77.

Tanaka, T.
Remarques critiques sur les plantes cultivées au Japon. Rev. Bot. Appl. 8: 29-35. Ja.1928. no.77.

Rhododendron Soc.Notes.

Cotton, A.D.
Flower bud formation in rhododendrons. Rhododendrons Soc.Notes. 3: 176-178. 1927.

McLaren, H. D.
The late Mr. Richard Gill and his rhododendron hybrids. Rhododendron Soc. Notes. 3: 186-189. 1927.

Rothschild, L.de.
Fungus attack on rhododendrons. Rhododendron Soc. Notes. 3: 198. 1927.
Armillaria mellea.

Tagg, H. F.
New species and varieties of Asiatic rhododendrons. Rhododendron Soc. Notes. 3: 161-164. 1927.

Rosen-Zeit.

Rathlef, H.v.
Kreusungsprobleme in der rosenzüchtung undd damit zusammenhängende fragen. Rosen-Zeit. 42: 29-36. fold.tab. 1927. no.2.

Scott. For. Journ.

Van Vloten, H.

Brunchorstia destruens Erikss. on Scots pine in Scotland. Scott. For. Journ. 43: 157-158. pl.viii. O.1929. no.2.

Tidsskr. Skogbruk. (Oslo)

Jørstad, I.

Nord-Norges skogsykdommer. Tidsskr. Skogbruk. 8: 365-456. illus. Ag.1928. no.36.

Trudy Bilots. Selekts. Stan. (Bull. Belaya-Cerkov. Plant Breed. Stat.Sugar Trust Kiev)

Korab, I.I.

...About the sugar beet nematode. Trudy Bilotserk. Selekts. Stan. (Bull. Belaya Cerkov. Plant Breed. Stat. Sugar Trust Kiev). 1: 126-159. illus. 1927.

Russian with English summary.

Lebedev, V.N.

... The natural wheat-rye hybrids of Bielaya. Cherkov plant breeding station. Trudy Bilotserk. Selekts. Stan. (Bull. Belaya Cerkov Plant Breed. Stat. Sugar Trust Kiev). 1: 114-120. illus. 1927.

Russian with English summary.

Shevchenko, V.M.

... Influence of Cercospora beticola Sacc. on the sugar beet. Trudy Bilotserk. Selekts. Stan. (Bull. Belaya Cerkov. Plant Breed. Stat. Sugar Trust Kiev). 1: 160-175. illus. 1927.

Russian with English summary.

Trudy Opytn.-Issled. Uchast. Stan. Zashch. Rast. Vred. Moskov. Zemed. Otdel.(Work Moscow Plant Prot. Stat.)

Yatzynina, C.N.

... Potato diseases. Trudy optyn.-Issled. Uchast. Stan. Zashch. Rast. Vred. Moskrov. Zemed. Otdel.(Work Moscow.Plant Prot.Stat.) 1: 139-187. 1927.

Russian (German summary in Zeitschr. Pflanzenkr. 38: 294).

Ukrains'kii
Bot. Zhurn. (Ukrainian Bot. Rev.) (Kiiv)

Boros, A.
... Das vorkommen von Funaria hungarica in der Ukraine. Ukrains'kiiBot. Zhurn. (Ukrain. Bot. Rev.) 3:33-35. 1928.
Ukrainian with Germany summary.

Cholodny, N.G.
... Contributions to the problem of tropisms. Ukrains'kii Bot. Zhurn. (Ukrain. Bot. Rev.) 4: 5-23. 1928.
Ukrainian with English summary.

Elin, Iu.I.
... Neues zur flora des gewesenen Letitschewsches kreises auf Podolien. Ukrains'kii Bot. Zhurn. (Ukrain. Bot. Rev.) 4: 56-63. 1928.

Illichevs'ky, S.
... Plfanzenverzeichnis des Konstantinogradschen kreises (Gouvernement Poltawa). Ukrains'kii Bot. Zhurn. (Ukrain. Bot. Rev.) 4: 37-50. 1928.
Ukrainian.

Kleopov, Iu.D.
... Neueste kenntnisse über die flora Podoliens. Ukrains'kii Bot. Zhurn. (Ukrain. Bot. Rev.) 4: 24-33. 1928.
Ukrainian with German summary.

Lazarenko, A.S.
... Ueber eine neue art Tortula ferganensis aus Zentralasien. Ukrains'kiiBot. Zhurn. (Ukrain. Bot.Rev.) 4: 64-65. illus. 1928.
Ukrainian with Latin diagnosis.

Lazarenko, A.S.
... Zur kenntnis der ukrainischen Funariaceen. Ukrains'kii Bot. Zhurn. (Ukrain. Bot. Rev.) 3: 35-37. 1928.
Ukrainian with German summary.

Oksner, A.
... Neue für U.D.S.S.R. und seltene flechtenarten. Ukrains'kii Bot. Zhurn. (Ukrain. Bot.Rev.) 4: 51-56. 1928.
Ukrainian with German summary.

U.S. Dept. Agr. Plant Dis. Rep.
Martin, G.H. & Jenkins, A.E.
Preliminary list of fungi and diseases of roses in the United States. U.S. Dept. Agr. Plant Dis. Rep. Suppl. 63. p.354-369. Ag.15, 1928.
Mimeographed.

Univ. Calif. Publ. (Berkeley)
Wigglesworth, G.
A new California species of Sphaerocarpus, together with an annotated list of the specimens of Sphaerocarpus in the Manchester museum, the University of Manchester. Univ. Calif. Publ. Bot. 16: 129-137. illus. 1929. no.3.

Kater, J.M.
Morphology and divisions of Chlamydomonas with reference to the phylogeny of the flagellate neuromotor system. Univ. Calif. Publ. Zool. 33: 125-168. illus., pl.11-16. 1929. no.7.

Univ. Wash. Forest Club.Quart.
Scheffer, T. C.
Steam sterilization of coniferous seed beds. Univ. Wash. Forest Club Quart. 7(1): 14-16. illus. Ap.1928.

Věstník Českosl. Akad. Zemed. (Praha)
Vodrážka, O.
Příspěvek k anatomii rostlinného poloparasita Arceuthobium oxycedri M.B. (Contribution to the anatomy of the vegetative semi-parasite Arceuthobium oxycedri M.B.). Věstník Českoslov. Akad. Zeměd. 4: 166-168. F.1928. no.2.
Czechoslovakian with English summary.

Vodrážka, O.
Výzkumy dřeva v ultrafialovém světle. Čast I (Researches with wood illuminated by ultraviolet rays) pt.I-II. Věstnik Českoslov. Akad. Zeměd. 4: 168-169. F.1928; 5: 586-590. Je./Jl. 1929.
Czechoslovakian.
I. Ailanthus and Robinia. (With English summary)
II. Robinia, Ailanthus glandulosa, Rhus typhina. (Has German summary)

Zapiska Belarusk. Dziarzh. Inst. (Mém. Inst. Agron. et For. Belrussie)

Kliucharev, A.V. & Strazh, R.

... Der einfluss des wachstums der getreidearten auf die bodenreaktion und der bodenreaktion auf die zellsaftazidität dieser pflanzen. Zapiski Belarusk. Dziarzh. Akad. Selosk. Caspad. (Ann. Weissruth.Staatl. Akad. Landw. Gorky) 3: 45-63. illus. 1927.

Russian with German summary.

Zapiski Semenoved. (Ann. Essais Semences Leningr.)

Balabaev, G.A.

... Unkrautelemente und deren verbreitung in getreidesamen in gebirgsteile von Zerawschen. Zapiski Semenov. (Ann. Essais Semences Leningr.) 5(4): 9-32. 1927.

Russian with German summary.

Pelzig, L. A.

... Vorläufige daten zur frage über die ausgekeimten samen. Zapiski Semenov. (Ann. Essais Semences Leningr.) 5(4): 1-8. illus. 1927.

Russian with German summary.

Zashch. Rast. Vred. (La Defense Plant. Leningr.)

Rothers, B.

... Helminthosporium thalictri Rothers, n.sp. (Description of a new fungus, Helminthosporium thalictri Rothers, n.sp.) Zashch. Rast. Vred. (La Defense Plant. Leningr.) 5: 272. 1928. no.2.

On leaves of Thalictrum simplis.

Trusova, N.P.

... On the possibility of the admixture of sclerotia of Sclerotinia trifoliorum Eriks. in clover seed. Zashch. Rast. Vred. (La Defense Plant. Leningr.) 4: 179-180. illus. 1927.

Russian.

Vladimirskaja, N.N.

... Epichloë typhina Tul. (Sur la biologie de l'Epichloë typhina Tul.). Zashch.Rast.Vred. (La Défense Plant. Leningr.) 5: 335-343. ii pl. 1928. no.3/4.

Russian.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie).

Aleksandrov, V.G. & Abesadze, K.I.
... Ueber die entwicklungsfolge der hoftüpel in kieferntracheiden. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 183-196. illus. 1927. no.1/2.
Russian with German summary.

Aleksandrov, V. G. & Abesadze, K.J.
... Ueber die struktur der seitenwände der siebröhren. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 11: 297-308. illus. 1927. no.1/2.
Russian with German summary.

Blagoveshchensky, V.
... Zur frage von dem "verborgenen" wuchse der blätter und internodien des getreides. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 21-26. 1927. no.1/2.
Russian with German summary.

Dombrovskaia-Slutskaia, L.N.
... La cynèse somatique de Cicer arietinum L. (La cynèse somatique de Cicer arietinum L.) Zhurn. Russk. Bot. Obshch. (Journ. Soc.Bot. Russie) 12: 163-172. illus. 1927. no.1/2.
Russian with French résumé.

Elenkin, A. A.
... Sur les principes de la classification des lichens. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 11: 245-272. 1927. no.3/4.
Russian with very brief French résumé.

Jarmolenko, A.V.
.... Bemerkungen zur systematik der Russischen arten der gattung Ulmus. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 15-20. 1927. no.1/2.
Russian with German summary.

Zhurn. Russk. Bot. Obshch. (Journn. Soc. Bot. Russie)

Kel'berer, E. G.

... Recherches sur l'hérédité du pigment jaune des fleurs de Tropaoelum majus L. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 11: 309-318. 1927. no.3/4.

Russian with French résumé.

Kotov, M.I.

... Materials for the flora of the steppes of the province of Kharkov. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 173-182. 1927. no.1/2.

Russian with English summary.

I. Steppe of Kochino in the Koupiansk district.

Kuznetsov, Mme. N.

... Découverte de Larix sp. fossile dans une tourbière au bord du lac de Pskov. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 27-32. 1927.

Russian with French résumé.

Larin, I. V.

... Die vegetationszonen des mittleren teiles des gouvernements Uralsk. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 5-12. 1927. no.1/2.

Russian with German summary.

Liubimenko, V.N. & Szeglov, O.A.

... Sur l'adaptation photopériodique chez les plantes vertes. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 113-162. illus. 1927. no.1/2.

Russian with French résumé.

Navashin, M.S.

... Ein fall von [echter] merogonie herborgerufen durch artkreuzung bei komposition. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 87-98. illus. 1927. no.1/2.

Russian with German summary.

Crepis.

Zhurn. Russk. Bot. Obsch. (Journ.Soc. Bot. Russie) (cont.)

Poplavska, H.

... Etude sur la variabilité du hêtre de Crimée. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 12: 59-86. illus. 1927. no.1/2.

Russian with French résumé.

Sambuk, F.V.

... Pflanzenassoziationen auf dem geiben podzol-böden in der Konoscha-forstei des gouvernements Wologda. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 12: 33-58. 1927. no.1/2.

Russian with German summary

Zchakaja, K.E.

... Ueber die veränderungen im leitungssystem des stengels beim abschneiden der knotenelemente. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 12: 99-112. illus. 1927.

Russian with German summary.

Bryonia dioica.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY RECEIVED ★ JUL 21 19 ★ U. S. Department of Agriculture

Vol. 12, no. 14. Je. 23 - Jl. 5, 1930.

Acta Horti Gothoburg.

Arwidsson, Th.
Till kännedomen om vegetationen i Bohuslän. Acta Horti Gothoburg. 5: 73-84. illus. (map). 1930.

Blom, C.
Halländska växtlokaler. Acta Horti Gothoburg. 5: 129-134. 1930.

Blom, C.
Ullfloran vid Lackalänge i Skåne. Acta Horti Gothoburg. 5: 85-96. 1930.

Fröderström, H.
The genus Sedum L., a systematic essay. Acta Horti Gothoburg. 5, App. 75 p. illus., xxviii pl. on 14. 1930.

Kükenthal, G.
Cyperaceen aus China, gesammelt von Dr. H. Smith auf seiner zweiten reise 1924. Acta Horti Gothoburg. 5: 107-114. 1930.

Larsson, E.A.
Undersökning av Calluna vulgaris - Sphagnum rubellum samhället på mossar i Bohuslän och angränsande del av Västergotland. Acta Horti Gothoburg. 5: 97-105. 1930.

Magnusson, A. H.
The lichen genus Acarospora in New Mexico. Acta Horti Gothoburg. 5: 55-72. 1930.

Plantae sinenses a Dre. H. Smith annis 1921-23.lectae. XX-XXIII. Acta Horti Gothoburg. 5: 1-54. pl. i-xiv. 1930.

XX. Polygonaceae by G. Samuelsson. XXI. Campanulaceae, by J.A. Nannfeldt, XXII. Cyperaceae by G. Kükenthal. XXIII. Selaginellaceae, by O.C. Schmidt.

Acta Horti Gothoburg. (cont.)

Skottsberg, C.

Bemerkungen über die morphologie von Gunnera macrophylla Bl. Acta Horti Gothoburg. 5: 115-128. illus. 1930.

Skottsberg, C.

Further notes on Pacific sandalwoods. Acta Horti Gothoburg. 5: 135-145. illus. 1930.

Santalum marchionense n.sp.

Agricultural History.

Ball, C. R.

The history of American wheat improvement. Agricultural History. 4: 48-71. Ap. 1930(Je.) no.2.

Amer. Journ. Bot.

Conard, H. S.

A Pityoxylon from Yellowstone national park. Amer. Journ. Bot. 17: 547-553. illus. Je.1930. no.6.

Cotner, F. B.

The development of the zöospores in the oömycetes at optimum temperatures and the cytology of their active stages. Amer. Journ. Bot. 17: 511-546. pl. xxx-xxxii. Je. 1930. no.6.

Denney, F. E.

Shortening the rest period of gladiolus by treatment with chemicals. Amer. Journ. Bot. 17: 602-613. illus. Je. 1930. no.6.

Macht, D. I.

A study of twenty-three octyl alcohols on growth of Lupinus seedlings. Amer. Journ. Bot. 17: 572-578. Je. 1930. no.6.

Reid, M. E.

Growth and nitrogen metabolism of squash seedlings. III. With respect to high and low carbohydrate synthesis, Amer. Journ. Bot. 17: 579-601. pl. xxxiv-xxxv. Je. 1930. no.6.

Taubenhaus, J.J. & Ezekiel, W.N.

Recent studies on Phymatotrichum root-rot. Amer. Journ. Bot. 17: 554-571. illus., pl. xxxiii. Je. 1930. no.6.

Amer. Journ. Bot. (cont.)

Thornton, N. C.

The use of carbon dioxid for prolonging the life of cut flowers, with special reference to roses. Amer. Journ. Bot. 17: 614-626. illus. pl.xxxvi-xxxviii. Je. 1930. no.6.

Ann. Gembloux. (Brussels)

Marchal, E.

Les maladies à virus filtrants en pathologie végétale. Ann. Gembloux. 36: 177-195. Je. 1930. no.6.

Ann. Sci. Nat. Bot. (Paris)

Leandri, J.

Recherches anatomiques sur les thyméléacées. Ann. Sci. Nat. Bot. X,12: 125-237. illus. My. 1930. no.1.

Maresquelle, H. J.

Études sur le parasitisme des urédinées. Ann. Sci. Nat. Bot. X, 12: 1-122. illus., pl. i-iv. My. 1930. no.1.

Ann. Tecn. Agr. (Rome)

Crescini, F.

Intorno alla biologia fiorale della canapa (Cannabis sativa L.). Ann. Tecn. Agr. (Rome) 3: 166-172. Ap.1, 1930. no.2.

Ongaro, D.

Variazioni della clorofilla nella foglia di gelso. Ann. Tecn. Agr. (Rome) 3: 190-195. Ap.1, 1930. no.2.

Scurti, F. & Pavarino, G. L.

Sopra una nuova alterazione funzionale di alcune varietà di pere in frigorifero. Il disfacimento precoce. Ann. Tecn. Agr. (Rome) 3: 267-282. 27 pl. (col.) Ap.1, 1930. no.2.

Scurti, F. & Pavarino, G. L.

Sulle caratteristiche del riscaldo in alcune varietà di pere refrigerate. Ann. Tecn. Agr. (Rome). 3: 256-266. 12 pl. (col.) Ap.1, 1930. no.2.

Ann. Rept. Dept. Agr. Bengal.

Sharangapani, S. G., officiating.

Annual report of the economic botanist.... 1928/29. Ann. Rep. Dept. Agr. Bengal. 1928/29; 29-37. 1929 (Rec'd My.1930).

Mycology (P.C. Kar, mycological assistant): p.32-35.

Arb. Biol. Reichsanst. Land- u. Forstw. (Berlin)

Merkenschlager, F. & Klinkowski, M.

Zur biologie der kartoffel. IV. Zur pathologie des abbaus. Arb. Biol. Reichsanst. Land- u. Forstw. 17: 435-458. illus. 1930. no6.

Scheibe, A.

Studien zum weizenbraunrost, Puccinia triticina Erikss. II. Ueber die anfälligkeit von weizensorten gegenüber verschiedenen braunrostbiotypen in den einzelnen entwicklungsstadien der wirtspflanzen. Arb. Biol. Reichsanst. Land- u. Forstw. 17: 549-585. illus., col.pl. 1930. no.6.

Arch. Mikrobiol. (Berlin)

Metz, O.

Ueber wachstum und farbstoffbildung einiger pilze unter dem einflusz von eisen, zink und kupfer. Arch. Mikrobiol. 1: 197-251. My.24, 1930. no.2.

Meyer, R.

Zum ertragsgesetz bei Aspergillus niger. Arch. Mikrobiol. 1: 277-303. illus. My.24, 1930. no.2.

Rippel, A. & Behr, G.

Ueber die verteilung des magnesiums im pilzmycel. Arch. Mikrobiol. 1: 271-276. My.24, 1930. no.2.

Beih. Bot. Centralbl. Abt.II. (Dresden)

Jenny-Lips, H.

Vegetationsbedingungen und pflanzengesellschaften auf felsschutt. Phytosoziologische untersuchungen in den Glarner Alpen. Beih. Bot. Centralbl. Abt.II, 46: 119-296. illus., pl. ii-iii. Ap.1930. no.2/3.

Beih. Bot. Centralbl. Abt.II. (cont.)

Katz, N.J.
Zur kenntnis der moore Nordosteuropas. Beih. Bot. Centralbl. Abt.II, 46: 297-394. illus. map. Ap. 1930. no.2/3.

Keller, P.
Postglaziale waldperioden in den Zentralalpen Graubündens. Beih. Bot.Centralbl. Abt.II, 46: 395-489. illus., pl.iv-vi. Ap. 1930. no.2/3.

/ Ber. Deut.Bot. Ges. (Berlin)

Béguinot, A.
Otto Penzig. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 48: (96)-(102). My.23,1930. no.2.

Benecke, W.
Zur biologie der strand und dünenflora. I. Ber. Deut. Bot. Ges. 48: 127-139. My.28, 1930. no.4.
Vergleichende versuche über die salztoleranz von Ammophila arenaria Link, Elymus arenarius L. und Agriopyrum junceum L.

Brauner, L.
Ueber polare permeabilität. Ber. Deut. Bot. Ges. 48: 109-118. illus. My.28, 1930. no.4.

Brieger, F.
Ueber die bedeutung der chromosomenverdoppelung für das problem der artentstehung. Ber. Deut. Bot. Ges. 48: 95-98. My.28, 1930. no.4.

Reimers, H.
Victor Ferdinand Brotherus. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 48: (93) -(95). My.23, 1930. no.2.

Ross, H.
Karl Reiche. Ber. Deut. Bot. Ges. (Generalversamml.-heft) 48: (103)-(110). port. My.23, 1930. no.2.
Veröffentlichungen von Karl Reiche: p.107-110.

Seckt, H.
Stand der phykologie in der Argentinischen Republik. Ber. Deut.Bot. Ges. 48: 98-108. My.28, 1930. no.4.

Ber. Deut. Bot. Ges.(cont.)

Stomps, T. J.

Ueber parthenogenetische Oenotheren. Ber. Deut. Bot. Ges. 48: 119-126. illus. My.28, 1930. no.4.

Weberbauer, A.

Ueber das anschmiegen an den boden bei blättern und sproszachsen hochandiner pflanzen. Ber. Deut. Bot.Ges. 48: 140-142. My.28, 1930. no.4.

Biull. Gosud. Nikitsk. Opytn. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita) (Ialta)

Stankov, S. S.

... Die vegetationsverhältnisse des Südliche Krim. Biull. Gosud. Nikitsk. Opytn. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita) no.4. 19 p. 1930.

Vorläufige bericht.

Russian with German summary.

Biull. Otd. Zemled. Gosud. Inst. Opytn. Agron. (Mitt. Abt. Ackerb. Staatl. Inst. Exp. Agron.) (Leningrad)

Chekalov, K.I.

... Beiträge zur mathematischen theorie der wachstumsfaktoren. Biull. Otd. Zemled. Gosud. Inst. Opytn. Agron. (Mitt. Abt. Ackerb. Staatl. Inst. Exp. Agron.) no.28. 14 p. 1930.

Russian with German summary.

Bol. R. Soc. Españ. Hist. Nat. (Madrid)

Martínez Martínez, M.

Algunas plantas herborizadas por Broussonnet en Africa (género Vicia). Bol. R. Soc. Españ. Hist. Nat. 30: 135-140. illus. F.1930.

Ruiz da Azúa, J.

Helechos de Galicia (2. ser.) Bol. R. Soc. Españ. Hist. Nat. 30: 129-134. illus. F.1930. no.2.

Bot. Mag. Tokyo.

Belval, H.

Rev. Father Courtois 1860-1928. Bot. Mag. Tokyo. 44: 204-205. port. Mr. 1930 (Rec'd Je.) no.519.

Ito, T.

Symbolae ad mycologiam Japonicam. IV. Asterostromella et hymenochaete. V. Hymenochaete. Bot. Mag. Tokyo. 44: 89-93, 151-157. F., Mr. 1930. no.517,518.

Bot. Mag. Tokyo. (cont.)

Jimbo, T.

On the serological classification of the root-nodule bacteria of leguminous plants. Bot. Mag. Tokyo. 44: 158-168. Mr.1930. (Rec'd Je.) no.519.

Koidzumi, G.

Contributiones ad cognitionem florae Asiae orientalis. (cont.) Bot. Mag. Tokyo. 44: 93-112. F. 1930. no.518.

Masamune, G.

A contribution to the phytogeography of the Island of Yakusima I. Bot. Mag. Tokyo. 44: 43-52. Ja. 1930 (Rec'd Je.) no.517.

Japanese.

Nakai, T.

Notulae ad plantas Japoniae & Koreae xxxviii. Bot. Mag. Tokyo. 44: 7-40. illus. Ja.1930. no.517.

Cornopteris gen.nov. (Polypodiaceae)

Ono, T.

Further investigations on the cytology of Rumex. VI. On the intersexual plant of R. acetosa. VII. Chromosomes of R. montanus. VIII. Chromosomes of an intersexual plant of R. acetosella. Bot. Mag. Tokyo. 44: 168-187. illus. Mr.1930. no.519.

Japanese with English summary.

Satake, Y.

Systematic importance of spodograms of leaves in the Urticales III. Bot. Mag. Tokyo. 44: 113-120. illus. F.1930. no.518.

Japanese.

Takenaka, Y.

On the sex-chromosomes of Rumex montanus Desf. Bot. Mag. Tokyo. 44: 176-183. illus. Mr.1930. no.519.

In Japanese with English résumé..

Tamiya, H. & Morita, S.

Bibliographie von Aspergillus, 1729 bis 1928. (cont.) Bot. Mag. Tokyo. 44: 1-7, 79-89, 139-157. Ja., F., Mr.1930. no.517-519.

Bot. Mag. Tokyo. (cont.)

Yakushiji, E. & Kumazawa, M.

Ueber einige im Koishikawa botanischen garten gesammelte Isaria-arten. I. Bot. Mag. Tokyo. 44: 40-42. illus. Ja. 1930. no.517.

I. cosmopsaltriae (? Cordyceps sobolifera), I. atypicola, I. nigra. (n.sp.)

Yasuda, S.

Some additional experiments on the fertility in Petunia. II. An addition to the report on the relation between the soil-moisture and the fertility. Bot. Mag. Tokyo. 44: 191-195. Mr. 1930. no.519.

Pt. 2 of his Physiological researches on the fertility in Petunia violacea no.V.

Japanese with English summary.

Bull. Écon. Madagascar (Tananarive)

Jaeglé, C. E.

Contribution à un essai de bibliographie Madagascar et dépendances 1905-28. Bull. Écon. Madagascar. 26(1929): numero-hors-série. 86 p. 1930.

Bull. Jard. Bot. Buitenzorg.

Markgraf, F.

Monographie der gattung Gnetum. Bull. Jard. Bot. Buitenzorg. III, 10: 407-495. illus., pl.1-14. My.1930. no.4.

Bull. Pop. Inform. Morton Arb. (Lisle, Ill.)

Morton arboretum.

Spring wild flowers for naturalizing. Its Bull. Pop. Inform. 5: 10-16. Je.14, 1930. no.3/4.

Bult. Sci. Fak. Terkult. Kjusu Imp. Univ.

Fukano, H.

Effects of tobacco mosaic upon the growth of Bac. aroideae Townsend, the cause of tobacco hollow stalk. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 4: 45-51. illus. My.1930. no.1.

Japanese with English summary

Filtrate of mosaic tobacco leaves accelerated the growth of the organism, mosaic tobacco more susceptible than healthy plant.

Takiguti, Y.

On the germination of Brassica napella seed. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 4: 22-36. My. 1930. no.1.

In Japanese with English summary.

Coll. Trav. Chim. Tchécosl. (Prague)

Prelog, V.

Sur la sapogénine de la betterave a sucre. Coll. Trav. Chim. Tchécosl. 2: 414-423. My./Je. 1930. no. 5/6.

Compt. Rend. Acad. Sci. Paris.

Vuillemin, P.

Une nouvelle espèce de Corethropsis, C. puntonii Vuill. provenant de l'homme. Compt. Rend. Acad. Sci. Paris. 190: 1334-1335. illus. Je.11, 1930. no.23.

Country Life. (Amer.) (Garden City, N.Y.)

Brockman, C. F.

The wild flowers of Mt. Rainier suitable for individual rock gardens. Country Life. (Amer.) 58(3): 63-65. illus. Jl.1930.

Desert. (Pasadena)

Johansen, D. A.

Nathaniel Lord Britton. Desert. (Pasadena) 2: 31-32. port. Jl.1930. no.3.

Difesa Piante Torino.

Bongini, V.

Azione benefica d'un micromicete. Difesa Piante Torino. 7(2): 9-11. Ap.1930. no.2.

(Cicinnobolus cesatii destroying Oidium erysiphoides)

Bongini, V.

Le macchie fogliari del ciclamino (Phyllosticta cyclaminis Brun.) Difesa Piante Torino. 7(3): 4-9. illus. Je. 1930. no.3.

Lanza, M.

Licheni dannosi alle foreste. Difesa Piante Torino. 7(1): 3-5. F.1930. no.1.

Voglino, P.

L'erpete del melo (Diplodina cydoniae (Schl. v. Mügg.) Sacc. et Trot). Difesa Piante Torino. 7(2): 1-6. illus. Ap.1930. no.2.

Voglino, P.

Erpete furfuracea della pere (Macrosporium epicarpium Mac Alp.) Difesa Piante Torino. 7(3): 1-3. Je.1930. no.3.

Difesa Piante Torino. (cont.)

Voglino, P.
Le macchie ocracee del melo. Difesa Piante Torino. 7(1): 1-3. F.1930. no.1.
Phyllosticta briardi Sacc.

Ecology. (Brooklyn, N.Y.)

Aikman, J.M.
Secondary plant succession on Muscatine Island, Iowa. Ecology. 11: 576-588. illus. Jl.1930. no.3.

Klugh, A. B.
An ultraviolet photometer for field use. Ecology. 11: 518-522. illus. Jl.1930. no.3.

Parish, S.B.
Vegetation of the Mohave and Colorado deserts of southern California. Ecology. 11: 481-499. illus. Jl. 1930. no.3.

Reed, E. L.
Vegetation of the Playa Lakes in the Staked Plains of western Texas. Ecology. 11: 597-600. Jl.1930. no.3.

Romell, L. G.
Comments of Raunklaer's and similar methods of vegetation analysis and the "law of frequency". Ecology. 11: 589-596. Jl.1930. no. 3.

Skinner, C. E. & Nygard, I. J.
Presence of Azotobacter and absence of Thiobacillus thiooxidans in peat soils. Ecology. 11: 558-561. Jl. 1930. no.3.

Weaver, J. E.
Underground plant development in its relation to grazing. Ecology. 11: 543-557. illus. Jl. 1930. no.3.

Ernähr. Pflanze. (Berlin)

Remy, T. & Weiske, F.
Ueber das verhalten von beerenobst gegen verschiedene kalisalze. Ernähr. Pflanze. 26: 269-277. illus. Je.1/15, 1930. no. 11/12.

Schaarschmidt, W.
Einflusz der ernährung auf die empfänglichkeit der kulturpflanzen fur parasitare krankheiten. Ernähr. Pflanze. 26: 265-269. illus. Je.1/15, 1930. no.11/12.

Facts about sugar. (New York)

Esau, K.

Sugar beets resistant to curly top. Facts about sugar. 25: 610-612. illus. Jl.1930. no.24.

Freise, F. W.

Cane diseases and plagues in Brazil. Facts about sugar. 25: 613-614. Jl. 1930. no.24.

Mosaic sereh, iliau disease and gummosis the most prevalent.

Flor. Rev. (Chicago)

Chadwick, L. C.

Studies in propagation 9-10. Rooting softwood cuttings. Flor. Rev. 66(1699): 20-21, (1700): 21-22. illus. Je.19,26, 1930.

Craig, W. N.

Success with hardy lilies. Flor. Rev. 66(1700): 19-20. illus. Je.26, 1930. no.1700.

Fortschr. Landw. (Vienna)

Pammer, F.

Zur methodik der saugkraftuntersuchung. Fortschr. Landw. 5: 420-424. Je.15, 1930. no.12.

Gartenbauwiss. (Berlin)

Reinhold, J. & Schmidt, M.

Versuche mit verschiedenen glassorten im frühgemüsebau. Gartenbauwiss. 3: 301-330. illus. My.24, 1930. no.4.

Schulz, F.

Untersuchungen über den einflusz der bodenreaktion auf den ertrag verschiedener pflanzenarten. Gartenbauwiss. 3: 331-383. illus. My.24, 1930. no.4.

Hilgardia (Berkeley, Cal.)

Takahashi, W. N.& Rawlins, T. E.

Electrophoresis of tobacco mosaic virus. Hilgardia. 4: 441-463. Ap. 1930 (Rec'd Je.) no.15.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Zechmeister, L. & Cholnoky, L.v.

Ueber den zustand der sauerstoffhaltigen carotinoide in der pflanze. Hoppe-Seyl. Zeitschr. Phys. Chem. 189: 159-161. Je.10, 1930. no.3/4.

Vorläufige mitteilung.

House and Garden. (Greenwich, Conn.)

Wilder, L. B.

Plants to redeem a shady corner. House and Gard. 57(4): 102-103, 172, 178, 186. illus. Ap.1930. (Rec'd Je.)

Fumitories (Adlumia, Corydalis, Dicentra and Fumaria) particularly the 2d and 3d.

Wilson, E. H.

Plants of our greatgrandmothers' day. House and Gard. 57(4): 80-81. 164, 166, 168, 170. illus. Ap.1930. (Rec'd Je.) no4.

Journ. Amer. Leath. Chem. Assoc.

Doelger, W.P. & McLaughlin, G.D.

Studies in the physiology of molds. I. Journ. Amer. Leath. Chem. Assoc. 25: 219-248. 12 pl. on 9. Je.1930. no.6.

Journ. Bath & West & South Co. Soc. Agr.

Maynard, J. G. & Marsh, R. W.

Spraying trials against apple scab. II. season 1929. Journ. Bath & West & South Co. Soc. Agr. VI, 4: 135-145. 1930.

Spinks, G. T.

Self-fertility and self-sterility in cider varieties of apples. Journ. Bath. & West & Sons Co. Soc. Agr. VI, 4: 154-159. 1930.

Journ. Econ.Entom. (Geneva, N.Y.)

Hutchins, L. M.

The phony disease of the peach. Journ. Econ. Entom. 23: 555-562. 2 pl. on 1. Je. 1930. no.3.

Journ. Hered. (Washington)

Karper, R. E.

The effect of a single gene upon development in the heterozygote in sorghum. Journ. Hered. 21: 187-192. illus. Ap.1930 (Je.) no.4.

Mason, S. C.

A sectorial mutation of a Deglet Noor date palm. Journ.Hered. 21: 157-163. illus. Ap.1930 (Je.) no.4.

Journ. Hered. (cont.)

Shamel, A. D.

A bud variation in the Deglet Noor date palm. Journ. Hered. 21: 164-166. illus. Ap.1930 (Je.) no.4.

Journ. N.Y. Bot. Gard.

Hollick, A.

Some examples of interrelations of rocks and trees. Journ. N.Y. Bot. Gard. 31: 141-148. illus. Je.1930. no.366.

Journ. Pharm. Soc. Japan.

Aoyama, S.

Ueber das saponin von Camellia sasanqua, Thunb. Journ. Pharm. Soc. Japan. 50: 75-77. My.1930. no.5.

Lingnan Sci. Journ. (Lingnaam Agr. Rev.) (Canton, China)

Fuson, C. G.

The fan-palm. Lingnan Sci. Journ. (Lingnaam Agr. Rev.) 6: 333-335. pl. 11-12. D.1928 (Rec'd Je.1930). no.4.

Livistona chinensis.

Li, T.

The effect of intense sunlight on tree seedlings. Lingnan Sci. Journ. (Lingnaam Agr. Rev.) 6: 315-321. D.1928 (Rec'd Je.1930). no.4.

Merrill, E. D.

A supplementary list of Hainan plants. Lingnan Sci. Journ. (Lingnaam Agr. Rev.) 6: 271-289, 323-332. S., D. 1928 (Rec'd 1930). no.3,4.

Skvortzow, B. W.

New plants for North Manchuria, China. Lingnan Sci. Journ. (Lingnaam Agr. Rev.) 6: 205-220. S.1928 (Rec'd Mr.1930). no.3.

(Meded.) Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen.

Bijhouwer, Ir.A.P.C.

Over het vraagstuk der "veroudering" ten gevolge van landdurig voortgezette, ongeslachtelijke vermeerdering. (The possibility of senility resulting from long continued vegetative reproduction). (Meded.) Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen. no.12. 119 p. incl. 3 pl. 2 fold.tab. Ap. 1930.

English summary.

Mem. Canada Geol. Surv.

Auer, V.

Peat bogs in southeastern Canada. Mem. Canada Geol. Surv. 162. 32 p. illus. (map), 3 fold.tab. 1930.

Seeds from peat bogs... determined by W.L. McAtee: p.18-30.

List of plants found: p.31-32.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bertram, P.

Ferdinand Haage. Monatsschr. Deut. Kakteen-Ges. 2: 114-115. Je. 1930. no.6.

Bödeker, F.

Mamillaria rettigiana Böd. sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 98-99. illus. My.1930. no.5.

Gräser, R.

Zur biologie der kakteen (Parallelerscheinungen in der heimischen pflanzenwelt). Monatsschr. Deut. Kakteen-Ges. 2: 100-105, 122-126, My., Je. 1930. no.5, 6.

Pelecyphora plumosa Böd. und Ritter, sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 116-118. illus. Je. 1930. no.6.

Weingart, W.

Cereus purpureopilosus spec.nov. Monatsschr. Deut. Kakteen-Ges. 2: 96-98. My. 1930. no.5.

Werdermann, E.

Bilder chilenischer kakteen und anderer sukkulenten II. Monatsschr. Deut. Kakteen-Ges. 2: 91-94. illus. My. 1930. no.5.

Mycologia. (Lancaster, Pa.)

Ashford, B. K.

A new variety of Acrothecium obovatum. Mycologia. 22: 180-185. illus. Jl./Ag. 1930. no.4.

Variety subcapitulatum.

Dearness, J.

Puccinia caricis-strictae. Mycologia. 22: 213. Jl./Ag. 1930. no.4.

Mycologia. (cont.)

Dodge, B. O.
Development of the asexual fructifications of Chaetomella raphigera and Pezizella lythri. Mycologia. 22: 169-174. pl.20-21. Jl./Ag. 1930. no.4.

LeClerg, E. L.
Cultural studies of some soil fungi. Mycologia. 22: 186-210. Jl./Ag. 1930. no.4.

Rumbold, C. T.
The relationship between the blue-staining fungi Ceratostomella and Graphium. Mycologia. 22: 175-179. Jl./Ag. 1930. no.4.

Seaver, F. J.
Photographs and descriptions of cup-fungi. xii. Elvelaceae. Mycologia. 22: 163-164. pl.17-19. Jl/Ag. 1930. no.4.

Swift, M. E.
A new species of Chaetomella on rose. Mycologia. 22: 165-168. illus. Jl./Ag. 1930. no.4.
C. raphigera.

Nat. Nut News. (Chicago)

Wood, M. N.
Walnut cross pollination makes bigger crops. Nat. Nut News. 13(7): 41-42. Jl. 1930. no.7.

New Zeal. Journ. Agr. (Wellington)

Cockayne, L.
The indigenous flora and vegetation of New Zealand. New Zeal. Journ. Agr. 40: 325-334. My.20, 1930. no.5.
Republished, with slight alterations, from the New Zealand Official Year-book, 1930.

Ochrana Rostlin (Prague)

Straňák, Fr. & others.
Zpráva o škodlivých činitelích kulturních rostlin v Republice Československé v roce 1929. Ochrana Rostlin. 10: 1-55. 1929 (Rec'd Je.1930). no.1/2
Diseases and pests of cultivated plants.

Phytopath.

Fant, F. W.
A control of angular leaf spot of tobacco by spraying in the field. Phytopath. 20: 527-529. Je. 1930. no.6.

Gajardo, T. G.
Studies of the mosaic disease of the bean (Phaseolus vulgaris L.) Phytopath. 20: 469-494. illus. Je. 1930. no.6.

Kienholz, J.R. & Heald, F.D.
Cultures and strains of the stinking smut of wheat. Phytopath. 20: 495-512. illus. Je. 1930. no.6.

May, C.
The effect of grafting on resistance and susceptibility of tomatoes to Fusarium wilt, Phytopath. 20: 519-521. Je. 1930. no. 6.

Weber, G. F.
Gray leaf spot of tomato caused by Stemphylium solani, sp.nov. Phytopath. 20: 513-518. illus. Je. 1930. no.6.

Winters, R.
Varietal susceptibility of the peony to Botrytis paeoniae. Phytopath. 20: 523-525. Je. 1930. no.6.

Plant Physiology.

Bonstetter, B. C. & Magoon, C. A.
A microelectrode for the rapid determination of the hydrion concentration of expressed juices from small amounts of plant tissue. Plant Physiology. 5: 249-256. illus. Ap.1930. no.2.

Cooper, H. P.
Ash constituents of pasture grasses, their standard electrode potentials and ecological significance. Plant Physiology. 5: 193-214. Ap. 1930. no.2.

Clark, N. A. & Fly, C. L.
The rôle of manganese in the nutrition of lemna. Plant Physiology. 5: 241-248. illus. Ap.1930. no.2.

Plant Physiology (cont.)

Dexter, S.T., Tottingham, W.E. & Graber, L. F.
Preliminary results in measuring the hardiness of plants. Plant Physiology. 5:215-223. illus. Ap.1930.

Harvey, R.B. & Harvey, H.M.W.
Jan Ingen-House. Plant Physiology. 5: 283-287. port. Ap. 1930. no.2.

Martini, M.L., Harlan, H.V. & Pope, M.N.
Some growth curves of barley kernels. Plant Physiology. 5: 263-272. illus. Ap.1930. no.2.

Meyer, W. C.
Dormancy and growth studies of the American lotus, Nelumbo lutea. Plant Physiology. 5: 225-234. illus. Ap. 1930. no.2.

Peterson, P. D.
Methods for the quantitative extraction and separation of the plastid pigments of tobacco. Plant Physiology. 5: 257-261. Apr. 1930. no.2.

Shull, C. A.
The mass factor in the energy relations of leaves. Plant Physiology. 5: 279-282. Ap.1930. no.2.

Traub, H.P., Hotchkiss, W. S. & Johnson, P.R.
Tentative classification of symptomatic types of "tomato pockets". Plant Physiology. 5: 235-240. illus. Ap. 1930. no.2.

Wiggans, C. B.
A case of second crop seedless apples. Plant Physiology. 5: 273-277. illus. Ap.1930. no.2.

Proc. Congr. Intern. Soc. Sugar Cane Techn.

Bolle, P. C.
Different forms of top rot. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 146-152. 1930.

Bremer, G.
The cytology of Saccharum. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 408-415. 1930.

Proc. Congr. Intern. Soc. Sugar Cane Techn. (cont.)

Bremer, G.
Some remarks on the cytology of Saccharum. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 403-408. 1930.

Carpenter, C. W.
Pythium root rot in Hawaii. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 131-135. 1930.

Jeswiet, J.
The development of selection and breeding of the sugarcane in Java. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 44-57. 1930.

North, D. S.
The bacterial-vascular diseases of the sugar cane. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 142-146. 1930.
Has already appeared in several journals.
Gumming and leaf scald.

Posthumus, O.
On the present state of cane-breeding in Java. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 420-428. 1930.

Rands, R. D.
Fungi associated with root rots of sugar cane in the southern United States. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 119-131. 1930.

Venkatraman, T. S.
Problems for the sugar cane breeder (with special reference to Indian conditions). Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 429-445. illus. 1930.

Wilbrink, G.
Mechanical transmission of sugar cane mosaic. Proc. Congr. Intern. Soc. Sugar Cane Techn. 3(1929): 155-161. 1930.

[Publ.] Estac. Agron. Moca (Santo Domingo) Ser. B. Bot.

Ciferri, R.

Informe general sobre la industria cacaotera de Santo Domingo. [Publ.] Estac. Agron. Moca (Santo Domingo) Ser.B. Bot. no.16. 190 p. pl. (incl. 2 maps) 1930.

Ekman, E. L.

En Busca del Monte Tina. [Publ.] Estac. Agron. Moca (Santo Domingo) Ser.B, Bot. no.15. 17 p. illus. 1930.

Ekman, E. L.

Excursion botanico al nord-oeste de la Republica Dominicana. [Publ.] Estac. Agron. Moca (Santa Domingo) Ser.B, Bot. no.17. 16 p. 1930.

Quart. Journ. Indian Tea Assoc. (Calcutta)

Tunstall, A.C.

Vegetable parasites of the tea plant. (cont.) Quart. Journ. Indian Tea Assoc. 1930: 28-36. no.1.

Rev. Agriculteurs France.

Rambousek, F. & Regnier, R.

Sur les maladies les plus importantes de la betterave. Rev. Agriculteurs France. 62: 186-191. Je.1930. no.6.

Rev. Algol. (Paris)

Chemin, E.

L'Asparagopsis hamifera (Hariot) Okamura et son mode de multiplication. Rev. Algol. 4: 29-42. illus. N.1929 (Rec'd Je.1930). no.1/4.

Dangeard, P.

Phytoplancton recueilli dans les croisières du "Pourquoi-Pas". Rev. Algol. 4: 97-125. illus., pl. iii-iv. map. N.1929 (Rec'd Je.1930). no.1/4.

Hamel, G.

Les algues de Vigo. Rev. Algol. 4: 81-95. illus. N.1929 (Rec'd Je.1930). no.1/4.

Hamel, G.

Quelques Cladophora des côtes françaises. (cont.) Rev. Algol. 4: 43-76. illus. N.1929 (Rec'd Je. 1930). no.1/4.

Rev. Algol. (cont.)

Kufferath, H.
La culture des algues. Rev. Algol. 4: 127-346. N.1929 (Rec'd Je.1930). no.1/4.

Lemoine, Mme. P.
Sur la présence de Lithophyllum orbiculatum Fosl. dans la manche et son attribution au genre Pseudolithophyllum. Rev. Algol. 4: 1-6. illus., pl. i. N.1929 (Rec'd Je.1930). no.1/4.

Peragallo, M.
Contribution à l'étude de la flore diatomique de l'Etang de Thau. Rev. Algol. 4: 7-27. pl. ii. N. 1929 (Rec'd Je.1930). no.1/4.

Rev. Hist. Nat. Appl. pt. I. (Paris)

Decary, R.
Le Jardin botanique de Tananarive. Rev. Hist. Nat. Appl. pt.I, 11: 64-71. F.1930. no.2.

Rev. Hort. (Paris)

Marcel, M.
La dégénérescence d'un fraisier de grande culture. Rev. Hort. 102: 126-127. Je.16, 1930. no.6.

Rhodora. (Boston)

Blake, S. F.
The names Aster ericoides and A. multiflorus. Rhodora. 32: 136-140. Jl. 1930. no.379.

ark, J. E.
Ferns of the Red River Country, Maine. Rhodora. 32: 133-136. Jl.1930. no.379.

Eames, E. H.
Cubelium concolor. Rhodora. 32: 140-142. Jl. 1930. no.379.

Fogg, J.M. jr.
The flora of the Elizabeth Islands, Massachusetts, I- Rhodora. 32: 119-132. map. Jl.1930. no.379.

Knowlton, C. H. & Stebbins, G.L. jr.
An interesting form of Eupatorium perfoliatum. Rhodora. 32: 132-133. Jl.1930. no.379.
E. perfoliatum f. laciniatum.

Rhodora. (cont.)

Wheeler, L. A.
Scirpus peckii in Maine. Rhodora. 32: 133. Jl. 1930. no.379.

Science. (Lancaster, Pa.)

Cotner, F. B.
The cytology of cilia formation in the swarm-spores of Myxomycetes. Science. 71: 670. Je.27, 1930. no.1852.

Harrold, T. J.
An apparatus for handling paraffin ribbons. Science. 71: 641. illus. Je.20, 1930. no.1851.

McKay, J.W. & Goodspeed, T.H.
The effects of x-radiation on cotton. Science. 71: 644. Je.20, 1930. no.1851.

McKinney, H.H. & Sando, W.J.
The behavior of winter wheat in artificial environments. Science. 71: 668-70. Je.27, 1930. no.1852.

Sprague, H. B. & Troxler, L. B.
An improved color standard for the colorimetric determination of chlorophyll. Science. 71: 666-667. Je.27, 1930. no.1852.

Sci. Bull. Dept. Agr. So. Africa.

Sim. J. T. R.
A classification and description of barley varieties grown in South Africa. Sci. Bull. Dept. Agr. So. Africa. no.78. 34 p. pl. i-xi. 1930.

Verwoerd, L.
The biology, parasitism and control of Urocystis tritici, Koern., the causal organism of flag smut in wheat (Triticum spp.) and recording the occurrence of Urocystis occulta (Wallr.) Rab., in South Africa as the cause of "stem smut" in rye. Sci. Bull. Dept. Agr. So.Africa. no.76. 52 p. illus. 8 pl. on 4. 1929 (Rec'd Je.1930).
Translated from Dutch.

Verwoerd, L.
A preliminary checklist of diseases of cultivated plants in the winter rainfall area of the Cape Province. Sci. Bull. Dept. Agr. So. Africa. no.88. 28 p. 1929 (Rec'd Je.1930).
In English and Dutch.

Svensk Bot. Tidskr.

Aslander, A.

A method for growing plants under sterile conditions. Svensk. Bot. Tidskr. 24: 111-112. illus. 1930. no.1.

Florin, R.

Die koniferengattung Libocedrus Endl. in ostasien. Svensk. Bot. Tidskr. 24: 116-131. illus., pl. i-ii. 1930. no.1.

L. formosana, n.sp.

Florin, R.

Pilgerodendron, eine neue koniferengattung aus Süd-Chile. Svensk. Bot. Tidskr. 24: 131-135. 1930. no.1.

P. uviferum.

Häkansson, A.

Zytologische beobachtungen an s.g. speltoid-heterozygoten beim weizen. Svensk. Bot. Tidskr. 24: 44-57. illus. 1930. no.1.

Heilborn, O.

Temperatur und chromosomenkonjugation. Svensk Bot. Tidskr. 24: 12-25. illus. 1930. no.1.

Hylander, N.

Nâgra adventivväxtfynd i Stockholmstrakten. Svensk Bot. Tidskr. 24: 139-142. 1930. no.1.

Johnsson, N.

Diskoid form av Achillea millefolium. Svensk. Bot. Tidskr. 24: 137-138. 1930. no.1.

Lihnell, D.

Zur kenntnis der anatomie von Strychnos tieute. Svensk. Bot. Tidskr. 24: 26-32. illus. 1930. no.1.

Ein anatomischer beitrag zur hormontheorie Haberlandts.

Samuelsson, G.

Eine neue Caldesia-art. Svensk. Bot. Tidskr. 24: 113-116. illus. 1930. no.1.

C. grandis.

Svensk. Bot. Tidskr. (cont.)

Samuelsson, G.
Zur Epilobium-flora Südamerikas. Svensk. Bot. Tidskr. 24: 1-11. 1930. no. 1.

Tolmatchew, A.
Papaver nudicaule L. und einige verwandte Asiatische papaver-formen. Svensk. Bot. Tidskr. 24: 33-43. illus. 1930. no.1.
P. tenellum n.sp.

Vretlind, E. G.
Fran östra Lappland. Om kärlväxtfloran i Mala socken i Iidernas region. Svensk. Bot. Tidskr. 24: 58-110. 1930. no. 1.

Svenska Linné-Sällsk. Arsskr.

Hult, O. T.
Fyra Linnéportratt. Svenska Linné-Sällsk. Arsskr. 13: 61-68. ports. 1930.
English summary: p.178.

Juel, H. O.
Om Kalms bemödanden att i vart land införa Nordamerikanska Växter. Svenska Linne-Sallsk. Arsskr. 13: 40-60. 1930.
Kalm's endeavors to introduce into his own country American plants, deemed desirable from economic or esthetic point of view (see English summary, p.178)

Skarman, J.A.O.
Linnés besök pa Kinnekulle. Svenska Linné-Sällsk. Årsskr. 13: 19-39. illus. (incl. map) 1930.
Visit of Linnaeus to Kinnekulle, a mountain in Vestrogothia (see English summary, p. 178)

Tidsskr. Planteavl. (København)

Gram, E.
Forsøg med plantesygdomme og jordtraethed. (Plant disease and soil sickness). Tidsskr. Planteavl. 36: 291-333. illus. 1930. no.2.
English summary: p.333.

Tijdschr. Plantenz. (Amsterdam)

Stieltjes, D.
Verslag van het aaltjes-proefveld te Dalfsen. Tijdschr. Plantenz. 36: 105-111. Je. 1930. no.6.

Torreya.

Bogusch, E. R.

The known range of Phlox wilcoxiana. Torreya. 30: 69-71. illus. (map). My./Je. 1930. no.3.

Latham, R.

Star-flowered Solomon's seal, Vagnera stellata (L.) Morong, on Eastern Long Island, N.Y. Torreya. 30: 78-79. My./Je. 1930. no.3.

Perkins, A. E.

Common plants as domestic remedies in Maine. Torreya. 30: 63-68. My./Je. 1930. no.3.

Wilson, P.

Notes on Flacourtiaceae I. Torreya. 30: 72-73. My./Je. 1930. no.3.

Samyda lunana, S. cubensis, Myroxylon shaferi, n.spp.

Trans. Nat. Hist. Soc. Formosa.

Yamamoto, Y.

Contributiones ad floram Formosanam. III. Trans. Nat. Hist. Soc. Formosa. 20: 97-105. Ap. 1930. no.107.

Clematis bartlettii, Euphrasia matsudae, E. nankotaizanensis, n.ssp.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-Breed.) (Leningrad)

Barulina, H. I.

... Lentils of the U.S.S.R. and of other countries. A botanic-agronomical monograph. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed. Suppl.) 40. 319 p. illus. (incl. maps), iii col.pl. 1930.

Russian with English summary.

Lens esculenta, Vicia ervilia, V. monanthos.

Zeitschr. Angew. Chem. (Leipzig)

Stubbe, H.

Erbliche veränderungen an pflanzen durch behandlung mit chemikalien. Zeitschr. Angew. Chem. 43: 481-486. illus. Je.7, 1930. no. 23.

Zeitschr. Bot. (Jena)

Oehlkers, F.

Studien zum problem der polymerie und des multiplen allelomorphismus. I- Zeitschr. Bot. 22: 473-544. illus., pl. iii. 1930. no.10.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Hiorth, G.

Genetische versuche mit Collinsia bicolor I. Zeitschr. Indukt. Abstamm. u.Vererbungsl. 55: 127-144. illus. 1930. no.1/2.

Imai, Y.

A genetic monograph on the leaf form of Pharbitis nil. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 55: 1-107. illus. 1930. no.1|2.

Der Züchter. (Berlin)

Bauch, R.

Die genetischen grundlagen der multipolaren sexualität der pilze. Der Züchter. 2: 174-182. illus. Je. 1930. no.6.

Gleisberg, W.

Die obstunterlagenselektion. Der Züchter. 2: 149-170. illus. Je. 1930. no.6.

Hertzsch, W.

Gräserzüchtung. Der Züchter. 2: 182-186. illus. Je.1930. no.6.

Marcus, A.

Einige beobachtungen aus der züchtung der baumwolle in der Türkei. Der Züchter. 2: 186-188. Je. 1930. no.6.

Tavčar, A.

Maispflanzen mit dekussierter blattsellung. Der Züchter. 2: 171-174. illus. Je. 1930. no.6.

Exper. Stat. Publ.

Flor, H. H.

Factors influencing the severity of the root rot troubles of sugar cane. Louisiana Agr. Exp. Stat. Bull. 212. 40 p. illus. My.1930 (Je.)

Dutton, W. C.

Spraying materials and the control of apple scab. Michigan Agr. Exp. Stat. Spec. Bull. 203. 32 p. Ap.1930 (Rec'd Je.)

Johnston, S.

The propagation of the highbush blueberry. Michigan Age. Exp. Stat. Spec. Bull. 202. 22 p. illus. My.1930 (Rec'd Je.)

Exper. Stat. Publ. (cont.)

Murneek, A.F., Yocum, W.W. & McCubbin, E.N.
Apple pollination investigations. Missouri Agr. Exp. Stat. Res. Bull.138. 36 p. illus. Ap.1930 (Rec'd Je.)

Poole, R. F.
A control for sweet potato scurf. North Carolina Agr. Exp. Stat. Bull. 274. 4 p. illus. My.1930. (Rec'd Je.)

Poole, R. F.
A control for sweet potato wilt or stem rot. North Carolina Agr. Exp. Stat. Bull. 273. [4] p. illus. My.1930 (Rec'd Je.)

State Publications.

Day, L. H.
Zinc chloride treatment for pear blight cankers. Calif. Agr. Extens. Serv. Circ 45. 13 p. Je.1930.

New Books.

Bohnert, E.
Untersuchungen über selbsterilität und selbstfertilität bei gärtnerischen kulturpflanzen. Berlin, 1929.

Brandt, J.
Binsen und ihre bekämpfung auf wiesen und weiden. Neudamm, J. Neumann, [1929]

Brauner, L.
Die pflanze. Eine moderne botanik. Berlin, Deutsche buch-gemeinschaft, 1930.

Chevalier, A.
Les origines du tabac et les débuts de sa culture dans le monde, par Auguste Chevalier. Paris, Editions de la Revue interntionale des tabacs, 1927.

Gruber, F.
Ueber selbsterilität und selbstfertilität bei Antirrhinum. Köthen (Anhalt) P. Dunnhaupt, 1930.

New Books (cont.)

Jaczewski, A.A.
... [Investigation in relation to flax diseases] [n.p., 1929?]
Reprint.
Russian.

Kerner, A.
Das pflanzenleben der Donaulander. 2 (anastatische) aufl. mit ergänzungen ...neu hrsg. von F. Vierhapper. Innsbruck, Universitats-verlag, Wagner, 1929.

Kolmakov, S.G.
... [List of grasses in the neighborhood of Stavropol]. Stavropol, 1929 (Recd Je.1930).
Russian.

Die natürlichen pflanzenfamilien... 2 stark.verm. und verb. aufl. hrsg. von A. Engler, bd. 18a Angiospermae: reihe Podostemonales, Rosales, unterreihe Saxifragineae, redigiert von H. Harms. Leipzig, W. Engelmann, 1930.

Pittier, H. F.
Arboles y arbustos nuevos de Venezuela. 9 y 10 decadas. Caracas, 1929 (Rec'd 1930)
Extracto del Bol. Minst. de R.R.E.E. nos. 8-12. D.1929.

Rusakov, L. F.
... [Breeding varieties of barley, wheat and oats for resistance to rust] Stavropol, 1929.
Russian.

Société nationale d'horticulture de France - Section pomologique.
Les meilleurs fruits aud début de XX^e siècle, histoire, description, origine et synonymie ... Nouvekke ed. rev. en 1928. Paris,1928.

Steffen, A.
Unsere lilien. Berlin, Gartenschönheit, 1929.

Ufer, M.
Vergleichende untersuchungen über Cleome spinosa, Cleoma gigantea und ihre gigas-formen. Borna-Leipzig, 1927.

New Books. (cont.)

White, E. A.

The chrysanthemum and its culture. N.Y., O. Judd, 1930.

Diseases: p.171-179.

Wister, J.C.

Bulbs for American gardens. Boston, Stratford company, 1930.

Reprints from Journals not yet rec'd.

Juzepchuk, S.V. & Bukasov, S.M.

A contribution to the question of the origin of the potato. Reprint from Trudy Vsesoiuzn. S'ezda Gen. i Selek. 3: 593-611. [1926?]

Russian original with English summary and Latin diagnosis of new sp. (12 species of Solanum) Transl. omitting the Latin portion, in B.P.I. files.

Non-current indexing.

Agr. Rep. Colonial Sugar Refining Co.(Sydney, Austr.)

North, D. S.

Leaf scald disease of sugar cane and its control (condensed version). Agr. Rep. Colon. Sugar Refin. Co. no.9. illus., 2 col.pl. Mr. 1929.

Condensed version of Agr. Rep. no.8. Techn.

Centralbl. Bakt. At.II. (Jena)

Knoche, W.., Cruz-Coke, E. & Pacotet, M.

Der "palo podrido" auf Chiloe. Ein beitrag zur konntnis der natürlichen umwandlung des holzes durch pilze in eine futtermittel. Centralbl. Bakt. Abt.II, 79: 427-431. N.19, 1929.

Vorläufige mitteilung.

Conversion of wood into fodder by action of fungi.

Deut. Zuckerind. (Berlin.

Gropp,

Beobachtungen über den zusammenhang von boden reaktionen und zuckerrubenaufgang im jahre 1929. Deut. Zuckerind. 54: 1065-1068. illus. O.5, 1929. no.40.

Non-current indexing (cont.)

Forstarchiv. (Hannover)

Falck, R. & Lutz, H.

„Einflusz der dämpfens und druckdämpfens auf laubholzer speziell auf buchenholz. (Quantitative untersuchung von schwund und quellung). Forstarchiv. 5: 419-424, 446-452. 1929. no.20,21.

Liese, J.

Holzschutz durch auslaugung? Forstarchiv. 5: 424-425. O.15, 1929. no.20.

Immersion of wood in water not a preservative.

Journ. Counc. Sci. Industr. Res. Australia. (Melbourne)

Cohen, W.E.

Karri bark as a source of tannin. Journ. Counc. Sci. Industr. Res. Australia. 2: 161-165. Ag.1929.

Eucalyptus diversicolor.

Journ. Econ. Entom.

Ginsburg, J.M.

A correlation between oil sprays and chlorophyll content of foliage. Journ. Econ. Entom. 22: 360-366. Ap.1929. no.2.

Experiments with 2 varieties of apple trees, oil sprayed leaves of both varieties contained appreciably more chlorophyll than unsprayed trees.

Hamilton, C. C.

The growth of the foliage and fruit of the apple in relation to the maintenance of a spray coating. Journ. Econ. Entom. 22: 387-396. Ap.1929. no.2.

Hartzell, A.

Tolerance of different species and varieties of plants to naphthalene vapor. Jour. Econ. Entom. 22: 354-360. pl. 17. Ap.1929. no.2.

McCubbin, W. A.

Potato wart. Journ. Econ. Entom. 22: 496-502. Je.1929. no.3.

Non-current indexing (cont.)

Journ. Econ. Entom. (cont.)

Park, O. W.

The influence of humidity upon sugar concentration in the nectar of various plants. Journ. Econ. Entom. 22: 534-544. Je.1929. no.3.

Journ. Gen. Physiol. (Baltimore, Md.)

Emerson, R.

On the behavior of nickel carbonate in relation to photosynthesis. Journ. Gen. Physiol. 13: 163-168. illus. N.20, 1929. no.2.

Kisérl. Közlem. (Bull. Stat. Agron. Hong.) (Budapest)

Bodnár, J.

A növényi amilázzimogén termostabilitása. (Ueber die thermostabilität des pflanzlichen amylasezymogenes) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 30: 626-637. D.1927. no.1.

Nut Grow.

Hershey, J. W.

Some interesting data on the toxic effect of walnut species on themselves and each other. Nut Grow. 6, i.e. 7(4): 3. N.1929.

Greene, K. W.

The toxic? effect of the black walnut. Nut Grow. 6 i.e. 7(3): 1-3. O.1929.

Papers & Proc. R. Soc. Tasmania. (Hobart)

Cleland, J. B. & Rodway, L.

Notes on the genus Poria. Papers & Proc. R. Soc. Tasmania. 1928: 31-43, 73-86. 1929.

Herbert, D. A.

The parasitism of Exocarpus humifusa, R. Br. Papers & Proc. R. Soc. Tasmania. 1928: 28-30. 1929.

Lucas, A. H.S.

The marine algae of Tasmania. A classified list of the algae which have been recorded from Tasmania and the adjacent islands. Papers & Proc. R. Soc. Tasmania. 1928: 6-27. 1929.

Non-current indexing (cont.)

Papers & Proc. R. Soc. Tasmania. (cont.)

Nelson, A.

The inheritance of sex in an abnormal (carpellodic) wall-flower. Papers & Proc. R. Soc. Tasmania. 1928: 119-122. pl.xviii-xx. 1929.

Rodway, L.

Note on Gautieria in Tasmania. Papers & Proc. R. Soc. Tasmania. 1928: 73. 1929.

G. tasmanica, G.microspora.

Sutton, C. S.

A sketch of the vegetation of the Cradle Mountain, Tasmania, and a census of its plants. Papers & Proc. R. Soc. Tasmania. 1928: 132-159. 1929.

Proc. Ann. Confr. Asoc. Técn. Azuc. Cuba.

Menendez Ramos, R.

The behaviour of mosaic disease in seedlings P.O.J. 2714, 2725 and 2727 in Oriente province. Proc. Ann. Conf. Asoc. Tecn. Azuc. Cuba. 2 (Suppl.): 34-47. illus. D.1928.

Sbornik Vúzkumm. Ustavu Zeměd. RCS (Recueil Trav. Inst. Rech. Agron. Rép. Tchécosl. ((Prague)

Kamenciký, K.

Československé ovocné odrudy lokální I. Sbornik Výzkumm. Ustvau Zeměd. [Recueil Trav. Inst. Rech. Agron.] 22. 33 p. 30 col.pl. 1926.

Trudy Nauchno-Issled. Inst. Voronezh. Gosud. Univ. (Trav. Inst. Rech. Scient. Univ. d'etat. Voroneje)

Grosset, H. E.

... Etudes sur les forets du gouvernement de Voroneje I. Trudy Nauchno-Issled. Inst. Voronezh. Gosud. Univ. (Trav. Inst. Rech. Sci. Univ. d'Etat. Voronèje) 1928(2): 49-120, 1928.

Russian.

Trudy Sibirsk. Inst. Sel'sk. Khoz. i Lesnov. (Trans. Siberian Inst. Agr. & For. Omsk)

Kataevskaja, N.I.

... [Tree fungi]. Trudy Sibirisk. Inst. Sel'sk. Khoz. i Lesnov. (Trans. Siberian Inst. Agr. & For. Omsk) 10: 39-48. illus. 1928.

Russian.

Non-current indexing. (cont.)

Trudy Sibirsk. Inst. Sel'sk. Khoz. i Lesnov. (Trans. Siberian Inst. Agr.&For. Omsk.) (cont.)

Murashkinsky, K. E.& Ziling, M.K.

... [Contributions to the mycoflora of Altai and Sajan]. Trudy Sibirsk. Inst. Sel'sk. Khoz. i Lesnov. (Trans. Siberian Inst. Agr.& For. Omsk) 10: 361-389. 1928.

Russian.

Semenov, V. F.

... Verzeichnis der pflanzen des gebietes Akmolinsk und tafeln ihrer standorte.) Trudy Sibirsk. Inst. Sel'sk. Khoz. i Lesnov. (Trans. Siberian Inst. Agr. & For. Omsk) 10: 391-462. 1928. no.1|6.

Russian with German summary: p. 394.

Beitrag zur kenntis der flora des Kasakstan (Kirgisen-Republik) des URSS.

Vida Agr. (Lima)

Abbott, E. V.

Una nueva enfermedad de la papa. Vida Agricola. 6: 181. Je.1929.

A brief note states that it is new rust recognized by Dr. Arthur as Aecidium cantensis (no description given)

State Publications.

Pennington, L.H.

Suggested experiments in elementary plant physiology. Circ. N.Y. State Coll. For. 23. 46 p. F. 1917.

Reprints.

MacDougal, D. T.

The arrangement and action of the colloids of the plant cell. In Alexander, Jerome. Colloid chemistry. New York,1928, v.2, p.575-592. illus.

Reprints from Journals not yet rec'd.

Juzepchuk, S. V. & Bukasov, S. M.

... A contribution to the question of the origin of the potato. Reprint from Trudy Vsesoiuzn. S'ezda Gen. i Selek. 3: 593-611. [1926?]

Russian with English summary and Latin diagnosis of n.sp. (S. tenuifilamentum, S. juzepczukii, S. stenotomum, S. phureja, S. ahanhuiri, S. goniocalyx S. rybinii, S. curtilobum, S. chaucha, S. mamilliferum, S. boyacense, S. indigenarum).

Transl. in B. P. I.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

U. S. Department of Agriculture

Vol. 12, no. 15. Jl. 7-19, 1930.

Agric. Colon. (Firenze)

Maugini, A.

Contributi alla conoscenza di alcuni prodotti vegetali spontanei della Cirenaica. (cont.) Agric. Colon. 24: 312-321. 1930. no.6.

Piani, G.

Sull' acclimatazione di alcune specie forestali esotiche in Cirenaica. Agric. Colon. 24: 285-309. 8 pl. on 4. Je.1930. no.6.

Agr. Gaz. N.S.W. (Sydney)

Anderson, R. H.

Farm forestry. V. The native and introduced trees of New South Wales. (cont.) Agr. Gaz. N.S.W. (Sydney) 41: 431-433. illus. Je.1, 1930. no.6.

Eastwood, H. W.

The Australian bush nut. (Macadamia ternifolia, spp.) Agr. Gaz. N.S.W. (Sydney) 41: 429-430. Je.1, 1930. no.6.

Magee, C. J.

Virus or degeneration diseases of potatoes. Agr. Gaz. N.S.W. (Sydney) 41: 405-412. illus. Je.1, 1930. no.6.

Leaf roll and mosaic.

Pridham, J. T. & Dwyer, R.E.

Reaction of wheat varieties to flag smut. Agr. Gaz. N.S.W. (Sydney) 41: 413-415. Je.1, 1930. no.6.

Agr. Journ. Brit. Guiana. (Georgetown)

Martyn, E. B.

The eradication of the weed Antidesma ghesaembilla. Agr. Journ. Brit. Guiana. 3: 84-87. Je. 1930. no.2.

Amer. Midl. Nat. (Notre Dame, Ind.)

Farwell, O. A.
Botanical gleanings in Michigan, VI. Amer. Midl. Nat. 12: 113-134. Jl. 1930. no.4.

Farwell, O. A.
"Digitaria" versus "Syntherisma". Amer. Midl. Nat. 12: 138-139. Jl. 1930. no.4.

Amer. Nat.

Huskins, C. L. & La-Cour, L.
Chromosome numbers in capsicum. Amer. Nat. 64: 382-384. Jl./Ag. 1930. no.693.

Kurz, H.
The relation of pH to plant distribution in nature. Amer. Nat. 64: 314-341. illus. Jl./Ag. 1930. no.693.

Schaffner, J. H.
The ecological determination of twisted hypocotyl and other peculiar expressions in hemp. Amer. Nat. 64: 367-379. Jl./Ag. 1930. no.693.

Truog, E.
The pH requirements of cultivated plants in natural and artificial cultures. Amer. Nat. 64: 300-313. Jl./Ag. 1930. no.693.

Ann. Ecole Nat. Agr. Montpellier.

Branas, M.
La roussure des producteurs directs. Ann. Ecole Nat. Agr. Montpellier. 20: 72-85. illus. (1930) no.2.

Chaptal, L.
De l'influence de quelques facteurs écologiques sur le développement de la vigne pendant l'année 1929. Ann. Ecole Nat. Agr. Montpellier. 20: 93-109. diagrs. (1930) no.2.

Chaptal, L.
L'utilisation des données climatériques dans les recherches agronomiques. Ann. Ecole Nat. Agr. Montpellier. 20: 86-92. (1930). no.2.

Maume, L. & Dulac, J.
Le problème de la toxicité et de l'antagonisme en physiologie végétale. Ann. Ecole Nat. Agr. Montpellier. 20: 126-170. illus. (1930) no.2.

Ann. Ecole Nat. Agr. Montpellier. (cont.)

Ravaz, L.
Sur le court-noué. Ann. Ecole Nat. Agr. Montpellier. 20: 110-125. illus., 3 col.pl. (1930) no.2.

Ravaz, L. & Branas, M.
Sur un cas spécial de court-noué. Ann. Ecole Nat. Agr. Montpellier. 20: 64-71. illus., 1 pl. (1930) no.2.

Ann. R. Ist. Sup. Agr. Portici.

Leggieri, L.
Influenza del fattore umidita sulla produzione del sorgo sottile (Holcus exiguus Forsk.) Ann. R. Ist. Sup. Agr. Portici. III, 3: 269-280. 1929.

Sansone, Fr.
Intorno ad alcune infezioni e malattie da Fusarium vasinfectum Atk. sulla fava e su altre piante. Ann. R. Inst. Sup. Agr. Portici. III, 3:145-162. illus., 1 pl. 1929.

Sansone, Fr.
La ritenuta decapitazione spontanea del "Chrysanthemum indicum L." e la sua causa. Ann. R. Ist. Sup. Agr. Portici. III, 3: 245-255. illus. 1929 (Rec'd Jl.1930).

Trotter, A.
Osservazioni morfologiche e genetiche sui Corylus. Ann. R. Ist. Sup. Agr. Portici. III, 3: 209-234. illus., pl. i-ii. 1929 (Rec'd Jl.1930).

Viggiani, G.
Determinazione sperimentale delle costanti ecologiche della patata. II. Ann. R. Ist. Sup. Agr. Portici. III, 3: 15-40. 1929 (Rec'd Jl.1930)

Vivoli, G.
Considerazioni intorno alla cosidetta "canapa ortichina". Ann. R. Ist. Sup. Agr. Portici. III, 3: 256-268. illus. 1929 (Rec'd Jl.1930).

Ann. Jard. Bot. Buitenzorg.

Dietz, J.
Morphologisch-anatomische untersuchungen der unterirdischen organe tropischer erdorchideen. Ann. Jard. Bot. Buitenzorg. 41: 1-26. pl. i-vii. 1930. no.1.

Ann. Jard. Bot. Buitenzorg. (cont.)

Funke, G. L.
On the biology and anatomy of some tropical leaf joints. II. Ann. Jard. Bot. Buitenzorg. 41: 33-62. pl. xiii-xxii. 1930. no.1.

Rant, A.
Ueber eine knospenvariation bei Psidium in Ambon. Ann.Jard. Bot. Buitenzorg. 41: 27-32. pl. viii-xii. 1930. no.1.

Ann. Rep. Tea Res. Inst. Ceylon.

Gadd, C. H.
Report of the mycologist. Ann. Rep. Tea Res. Inst. Ceylon. Its Bull. 4: 9-12. 1929 (Rec'd Jl.1930)

Anz. Akad. Wiss. Wien. Math.-Naturw. Kl.

Bersa, E.
Zur kultur und ernährungsphysiologie der gattung Pilobolus. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 4-5. 1929. (Rec'd Jl.1930). no.1.

Eisler, M. & Portheim, L.
Weitere untersuchungen über die nikotinvergiftung von früchten und samen. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 29-31. 1929 (Rec'd Jl.1930) no.4.
Vorläufige mitteilung.

Feldmann, W.
Ueber das wachstum der stengelteile von Phaseolus coccineus-keimlingen mit abgeschittenen oder verdunkelten primordialblättern. Anz. Akad. Wiss. Math.-Naturw. Kl. 66: 160-161. 1929. (Rec'd Jl.1930) no.16.

Figdor, W.
Ueber den positiven geotropismus der achsenknollen von Gloriosa superba Linn. und G. rothschildiana O'Brien. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 285-287. 1929 (Rec'd Jl.1930). no.24.

Kisser, J. & Posznig, S.
Untersuchungen über den einfluss gehemmter und geförderter sauerstoffatmung auf samenkeimung und keimlingswachstum. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 223-225. 1929 (Rec'd Jl.1930) no.18.

Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. (cont.)

Kisser, J. & Stasser, R.
Untersuchungen über die bei der keimung geschälter leguminosensamen auftretenden wurzel- und hypokotyl-krümmungen. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 225-226. 1929 (Rec'd Jl. 1930). no.18.

Kisser, J. & Windischbauer, R.
Untersuchungen über die permeabilitat der samenschale von Pisum sativum für wasser und gase. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 226-228. 1929 (Rec'd Jl.1930). no.18.

Kisser, J.
Zur analyse der chemischen reizerfolge bei der samenkeimung. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 223. 1929 (Rec'd Jl.1930) no.18.

Mirskaja, L.
Ergänzungsvorgänge an längsgespaltenen stämmen von Mirabilis jalapa. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66:160. 1929 (Rec'd Jl.1930). no.16.

Mirskaja, L.
Ueber regenerationsvorgänge an vegetationspunkten von Tradescantia guianensis. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 31-35. 1929 (Rec'd Jl. 1930). no.4.
Vorläufige mitteilung.

Singer, R.
Bericht über verlauf und ergebnis einer botanischen Kaukasus-expedition 1929. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 261-263. 1929 (Rec'd Jl.1930) no.20.

Watzl, O., Swoboda, K. & Singer, R.
Bericht über ihre mit unterstützung der Akademie der Wissenschaften unternommene botanisch-geologische expedition in den Kaukasus. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 66: 9-16. 1929 (Rec'd Jl.1930) no.1.

Arb. Landwirtschaftskam. Prov. Brandenb. (Berlin)

Gleisberg,

Die beeinflussung von veredlungs- und umpfropfmassnachmen im obstbau durch abnorme kälte. Arb. Landwirtschaftskam. Prov. Brandenb. 73: 5-17. 1929.

Ludwigs,

Welche schadlinge und krankheiten verdienen im obstbau die grösste beachtung und wie werden sie wirtschaftliche bekampft? Arb. Landwirtschaftskam. Prov. Brandenb. 73: 79-93. 1929.

Arch. Bot. Sist. Fitogeogr. e Gen. (Forli)

Buscalferri, I.

Cenni sulla "Flora Ligustica" lavoro inedito del Prof. O. Penzig. Arch. Bot. Sist. Fitogeogr. e Gen. 6: 158-165. Je.1930. no.2.

Marchesetti, C.de.

Flora dell'isola di Cherso. (concl.) Arch. Bot. Sist. Fitogeogr. e Gen. 6: 113-157. Je.1930. no.2.

Savelli, R. & Soster, N.

Eredità della gemellarità nella canapa. Arch. Bot. Sist. Fitogeogr. e Gen. 6: 109-112. Je.1930. no2.

Savelli, R.

Osservazioni sulle pseudogerminazioni della canapa e fenomeni affini. Arch. Bot. Sist. Fitogeogr. e Gen. 6: 102-108. Je. 1930. no.2.

Savelli, R.

Variazione gemmaria nella F_1 di un ibrido interspecifico di "Cucurbita". Arch. Bot. Sist. Fitogeogr. e Gen. 6: 99-101. illus. Je. 1930. no.2.

Arch. Koffiecult. (Soerabia)

Bally, W.

Die zwarte wortelschimmels van koffie. Arch. Koffiecult. 4: 1-16. illus., 3 pl. on 2. Je. 1930. no.1.

English summary: p.15-16.

Caused by a species of Rosellinia similar to R. bunodes.

Lambers, H.R.

Polyembryonie en polyspermie bij koffie. (Polyembryony and polyspermy of coffie). Arch. Koffiecult. 4:32-43. illus. Je. 1930 no.1.

English summary

Arch. Koffiecult. (cont.)

Muller, H. R. A.

Verband tusschen den zuurgraad van den grond en het optreden van topsterfte. (Researches on the relation between soil-acidity and the topdisease of coffee). Arch. Koffiecult. 4: 29-31. Je.1930. no.1.

English summary.

Arch. Rubbercult. Nederl.-Ind. (Batavia, Java)

Ostendorf, F. W.

Polyfyllie bij Hevea brasiliensis. (Polyphylly in Hevea brasiliensis). Arch. Rubbercult. Nederl. Ind. 14: 251-259. 3:pl. on 2. Je.1930. no.6.

English summary: p.259.

Vollema, J. S.

Meeldauw en bemesting. (Mildew and manuring). Arch. Rubbercult. Nederl.-Ind. 14: 260-274. illus. Je. 1930. no.6.

English summary: p.273-274.

Biol. Zentralbl. (Leipzig)

Seybold, A.

Ueber die zweckmassigkeitsbetrachtungen und die aufgaben der pflanzlichen physiologie. Biol. Zentralbl. 50: 341-351. 1930. no.6.

Blätt. Pflanzenb. u. Pflanzenzücht.

/ Oberstein, O.

1929er versuche mit krebsfesten kartoffelsorten im Sudetengebirge. Blätt. Pflanzenb. u. Pflanzenzücht. 8: 36-48. Je.1930. no.2/3.

Bol. Depart. Agr. (Chile)

Bravo, O.

La influencia de la luz sobre la vida de los vegetales. Bol. Depart. Agr. (Chile) 1(10/12): 46-50. O./D. 1929 (Rec'd Jl.1930).

Kidd, F.

Enfermedades fisologicas de las manzanas en frigorifero. Bol. Depart. Agr. (Chile) 1(10/12): 13-32. illus. O./D.1929 (Rec'd Jl.1930).

Bol. Min. Agr. Nac. Argentine.

Millan, A. R.

El estudio sistematico de las plantas cultivadas en la República Argentina. Bol. Min. Agr. Nac. Argentine. 29: 113-117. Mr.1930. no.1.

Nieves, R.

Contribución al conocimiento de la "caries" del trigo (Tilletia spp.) Bol. Min. Agr. Nac. Argentine. 29: 97-112. Mr.1930. no.1.

Ruiz, L. F.

Tres plantas tóxicas de la flora Argentina. Bol. Min. Agr. Nac. Argentine. 29: 45-55. 3 pl. Mr. 1930. no.1.

Boll. R. Staz. Patol. Veg. Roma. (Firenze)

Curzi, M.

Intorno alle tracheomicosi e a nuovi gravi casi di verticilliosi. Boll. R. Staz. Patol. Veg. Roma. n.s., 10: 44-62. illus., 1 pl. Ja./Mr.1930. no.1.

Cynara scolymus, Fatsia japonica, Impatiens balsamina, Prunus armeniaca, Prunus domestica, Solanum lycopersicum are affected.

Petri, L.

"Ginocchiatura" del culmo del grano. Boll. R. Staz. Patol. Veg. Roma. n.s., 10: 113-115. Ja./Mr. 1930. no.1.

Petri, L.

Rassegna dei casi fitopatologici osservati nel 1929. Boll. R. Staz. Patol. Veg. Roma. n.s., 10: 1-43. Ja./Mr. 1930. no.1.

Petri, L.

Lo stato attuale delle ricerche sul "mal del secco" dei limoni. Boll. R. Staz. Patol. Veg. Roma. n.s., 10: 63-106. illus., pl. i-ii (col.) Ja./Mr.1930. no.1.

Bot. Gaz. (Chicago)

Haas, A. R. C.
Boron as an essential element for healthy growth of citrus. Bot. Gaz. 89: 410-413. Je.1930.

Hitchcock, C. L.
Revision of North American species of Godetia. Bot. Gaz. 89: 321-361. illus. Je.1930. no.4.

Spessard, E. A.
Fertilization in a living Oedogonium. Bot. Gaz. 89: 385-393. illus. Je.1930. no.4.

Stevens, E.
Cytological features of the life history of Gymnosporangium juniperi-virginianae. Bot. Gaz. 89: 394-401. pl. vii-viii. Je.1930. no.4.

Woodworth, R. H.
Cytological studies in the Betulaceae. III. Parthenogenesis and polyembryony in Alnus rugosa. Bot. Gaz. 89: 402-409. illus., pl. ix. Je.1930. no.4.

Bot. Not. (Lund, Sweden)

Erman, C.
Ueber die variation der lichtwachstumsreaktion bei verschiedenen rassen von Avena sativa. Bot. Not. 1930: 201-213. illus. 1930. no.3/4.

Fröman, I.
Phyllitis, Helichrysum och Eryngium på Gotland. Bot. Not. 1930: 225-232. illus. 1930. no.3/4.
P. scolopendrium, H. arenarium, E.maritimum.

Lindquist, B.
Nya skånska växtlokaler. Bot. Not. 1930: 214-224. illus., 1 pl. 1930. no.3/4.

Mauritzon, J.
Beitrag zur embryologie der Crassulaceen. Bot. Not. 1930: 233-250. 2 pl. 1930. no.3/4.

Medelius, S.
Vad är Leptodontium norvegicum Kaalaas? Bot. Not. 1930: 307-308. 1930. no.3/4.
A poorly developed Cynodontium laxirete.

Bot. Not. (cont.)

Nilsson, F.
Einige resultate von isolations- und bastardierungsversuche mit Lolium multiflorum Lam. und Lolium perenne L. Bot. Not. 1930: 161-200. illus., 3 pl. 1930. no.3/4.

Sylvén, N.
Smärre uppsatser och meddelanden. Quercus sessiliflora Salisb. funnen i Luro skärgärd i värmland. Bot. Not. 1930: 304-307. 1930. no.3/4.

Brooklyn Bot. Gard. Rec.

Matsuki, B.
The Japanese garden of the Brooklyn Botanic Garden. Brooklyn Bot. Gard. Rec. 18: 197-234. illus., 18 pl. on 16. Jl.1930. no.4.

Bryologist. (Pittsburg)

Emig, W. H.
A society of bryophytes. Bryologist. 33: 11. 1 pl. Ja. 1930 (Rec'd Jl.) no.1.
Gymnostomum curvirostre and Preissia quadrata.

Erlanson, C.O.
The attraction of carrion flies to Tetraplodon by an odoriferous secretion of the hypophysis. Bryologist. 33: 13-14. Ja. 1930 (Rec'd Jl.) no.1.

Pitman, E. M.
Additional moss-notes from Maine, U.S.A. Bryologist. 33: 14-15. Ja.1930 (Rec'd Jl.) no.1.

Raup, L. C.
An investigation of the lichen flora of Picea canadensis. Bryologist. 33: 1-11. Ja.1930 (Rec'd Jl.) no.1.

Bull. Dept. Agr. So. Africa.

Putterill, V. A.
The prevention of mould wastage in oranges. Bull. Dept. Agr. So. Africa. 64. 20 p. 1930.

Bull. Gard. Club Amer.
Zimmerman, P. W.
Breeding, propagation and testing of holly. Bull. Gard. Club Amer. 4(10): 26-27. illus. Jl.1930.

Bull. Hist. Appl. Phys. et Path.
Ghimpu, V.
Satellites des chromosomes dans le règne végétal. Bull. Hist. Appl. Phys. et Path. 7: 149-155. illus. My.1930. no.5.

Bull. Imp. Inst. Gt. Brit. (London)
Shea nuts from Nigeria. Bull. Imp. Inst. Gt. Brit. 28: 123-131. Jl. 1930. no.2.

Bull. Mens. l'Agence Écon. l'Afrique Occid. Franç. (Paris)
Lavergne,
Observations diverses sur la palmier à huile. Bull. Mens. l'Agence Econ. l'Afrique Occid. Franç. 11: 201-205. illus. Je.1930. no.114.

Bull. Misc. Inform. Kew. (London)
Airy-Shaw, H. K.
A new Berberis from Burma. Bull. Misc. Inform. Kew. 1930: 208-210. no.5.
B. hypokerina.

Howes, F.N.
The Macadamia nut. Bull. Misc. Inform. Kew 1930: 219-221. no. 5

Marquand, C.V.B.
Revision of the old world species of Buddleja. Bull. Misc. Inform. Kew. 1930: 177-208. 1930. no.5.

Sandwith, N.Y.
Contributions to the flora of tropical America. I. Bull. Misc. Inform. Kew. 1930: 210-215. no.5.
I. New and less-known species of Schlegelia.

Smith, C.A.
The botanical name of the "flat-crown" tree. Bull. Misc. Inform. Kew. 1930: 218-219. no.5.
Albizzia gummifera (A.sassa)

Bull. U.S. Golf Assoc. Green Sect. (Washington, D.C.)

Hillman, F. H.

Identifying turf-grass seed. Bull. U.S. Golf Assoc. Green Sect. 10: 39-43. illus. Mr.1930.

Monteith, J.jr.

Classification of redtop and the common bent grass. Bull. U. S. Golf Assoc. Green Sect. 10: 44-50. 2 pl. Mr.1930.

Canad. Journ. Res. (Ottawa)

Hibbert, H.

Studies on lignin and related compounds. Canad. Journ. Res. 2: 357-363, 364-375. Je.1930. no.6.

H.J. Rowley joint author I; L. Marion, II.

I. A new method for the isolation of spruce wood lignin. II. Gycol-lignin and glycol-ether-lignin.

Chem. & Drugg.

Holmes, E. M.

Three hundred years of cinchona. A short account of the discovery and application of Peruvian bark since its first European use in 1630. Chem. & Drugg. 112: 827-832. illus. Je.28, 1930. no.2629.

Penick, S.B. jr.

American indigenous drugs. Chem. & Drugg. 112: 846-847. illus. Je.28,1930. no.2629.

Vrgoč, A.

An alternative to frangula, pharmacognosy of the peel of Rhamnus fallax, Boiss. Chem. & Drugg. 112: 782-783. illus. Je.28, 1930. no.2629.

Chem. Umschau. (Stuttgart)

Loon, J. van.

Die scheinbare jodzahl des chinesischen holzöles. Chem. Umschau. 37: 175-177. Je.25,1930. no.12.

China Journ. (Shanghai)

Skvortzow, B. W.

Notes on trees and shrubs of Northern Manchuria. (cont.) China Journ. 12: 358-362. 5 pl. on 3. Je.1930. no.6.

Compt. Rend. Acad. Sci. Paris.

Chevalier, A.

Sur les trois périodes de réveil de la nature au Sénégal. Compt. Rend. Acad. Sci. Paris. 190: 1444-1446. Je.16, 1930. no.24.

Colin, H. & Ricard, P.

Glucides et dérivés glucidiques des algues brunes. Compt. Rend. Acad. Sci. Paris. 190: 1514-1516. Je.23, 1930. no.25.

Guilliermond, A., Dufrenoy, J. & Labrousse, F.

Germination des graines de tabac dans des milieux additionnés de rouge neutre et coloration du vacuome pendant le développement des plantules. Compt. Rend. Acad. Sci. Paris. 190: 1439-1442. Je.16, 1930. no.24.

Lagatu, H. & Maume, L.

Observation, par le diagnostic foliaire, de l'influence de la température sur le mode d'alimentation d'un végétal. Compt. Rend. Acad. Sci. Paris. 190: 1516-1518. Je.23, 1930. no.25.

Lemoigne, M.

Présence de l'acétylméthylcarbinol et du 2.3-butylèneglycol chez les plantes supérieures. Formation au cours de la germination. Compt. Rend. Acad. Sci. Paris. 190: 1457-1459. Je.16, 1930. no.24.

Lutz, L.

Sur les ferments solubles sécrétés par les champignons Hyménomycètes.. La dégradation de la matière ligneuse. Compt. Rend.Acad. Sci. Paris. 190: 1455-1457. Je.16, 1930. no.24.

Nicolas, G. & Aggery, Mlle.

Un troisième exemple d'infection bactèrienne généralisée chez les végétaux. Compt. Rend. Acad. Sci. Paris. 190: 1446-1448. Je.16,1930. no.24.

Arbutus unedo.

Compt. Rend. Soc. Biol. Paris.

Dusi, H.

Limites de la concentration en ions H pour la culture de quelques Euglènes. Compt. Rend. Soc. Biol. Paris. 104: 734-736. Je.27,1930. no.22.

Compt. Rend. Soc. Biol. Paris. (cont.)

Dusi, H.

La nutrition autotrophe d'Euglena gracilis, Klebs aus dépens de quelques corps azotés inorganiques. Compt. Rend. Soc. Biol. Paris. 104: 662-664. Je.20, 1930. no.21.

Lwoff, A.

Le fer, élément indispensable au flagellé Polytoma uvella Ehr. Compt. Rend. Soc. Biol. Paris. 104: 664-666. Je.20, 1930. no21.

Lwoff, M.

Sur la culture de Leptomonas fasciculata Novy, MacNeal et Torrey 1907, flagellé trypanosomide. Compt. Rend. Soc. Biol. Paris. 104: 666-668. Je.20, 1930. no.21.

Econ. Proc. Roy. Dublin Soc.

Cummins, H. A.

Experiments on the establishment of rice grass (Spartina townsendii) in the estuary of the lee. Econ. Proc. Roy. Dublin Soc. 2: 419-421. pl. xxviii. Mr.1930. no.26.

Empire Cotton Grow. Rev. (London)

Massey, R.E.

Studies on blackarm disease of cotton. Empire Cotton Grow. Rev. 7: 185-195. 2 pl. Jl.1930. no.3.

Ergebnisse Biol. (Berlin)

Seybold, A.

Die pflanzliche transpiration. II. Ergebnisse Biol. 6: 559-731. diagrs. 1930.

Flora. (Jena)

Goebel, K.

Archegoniatenstudien. (cont.) Flora. 124 (n.s.24): 367-409, 410-422. illus. 1930.

xix. Annlichkeiten und parallelbildungen bei farnen. xx. Farne mit punktierten blättern.

Goebel, K.

Die deutung der characeen-antheridien. Flora. 124(n.s.24): 491-498. illus. 1930. no.4.

Flora. (cont.)

Menge, F.

Die entwicklung der keimpflanzen von Marchantia polymorpha L. und Plagiochasma rupestre (Forster) Stephani. Flora. 124(n.s.24): 423-478. illus. pl. iii-vii. 1930. no.4.

Schmalfuss, K.

Untersuchungen über die interkalare wachstumszone an glumifloren und dikotylen blütenschäften. Flora. 124(n.s.24): 333-366. illus. 1930. no.4.

Schwartz, W.

Studien über die "blattformen" von Caulerpa prolifera. Flora. 124(n.s.24): 479-490. illus. 1930. no.4.

Florida Grow. (Tampa)

Ensign, M.R.

Why our crops are different from others. How temperature and length of day affect our agriculture. Florida Grow. 37(7): 3, 18. illus. Jl.1930.

Reasoner, N. A.

Avocados - New star on Florida's horizon. Florida Grow. 37(7): 1-2. illus. Jl.1930.

Pollination problems, fertilizing avocados, irrigation and frost protection.

Flor. Exch. (N.Y.)

Keiter, C. N.

A tree of horticultural beauty and historical interest. Flor. Exch. 74(11): 27. illus. Jl.12, 1930. no.11.

Schinus molle.

Thompson, William Boyce. 1869-1930. Flor. Exch. 74(10): 31. Jl.5, 1930.

Notice of death.

Folia Cryptogamica. (Szegad, Hungary)

Antos, K.

Adatok szeged vidéke zuzmóflórájhoz. Folia Cryptogamica. 1: 947-952. 1930. no.7.

Degen, A.de.

Contributions à la connaissance de la flore bryologique des montagnes de Csík. Folia Cryptogamica. 1: 965-976. 1930. no.7.

Folia Cryptogamica. (cont.)

Entz, G.

Phaenologische aufzeichnungen und einige morphologische beobachtungen an chrysomonaden. Folia. Cryptogamica. 1: 670-742. illus. 1930. no.7.

Gallé, L.

Szegedi zuzmóassociatiók. (Lichenassociationen aus. Szeged). Folia Cryptogamica. 1: 933-946. 1930. no.7.

German summary: p.945-946.

Gallik, O.

Una nova species nonnullae varietates et additamenta ad cognitionem diatomacearum balatonicarum. Folia Cryptogamica. 1: 743-748. pl. xix. 1930. no.7.

Pinnularia filarszkyi n.sp.

Györffy, I.

Syntheca controversa von Bryum pallescens aus der hohen-Tatra. Folia Cryptogamica 1: 977-980. illus. 1930. no.7.

Kol, E.

Elömunkálatok hazánk desmidiaceái monographiájához. II. A magas tátra alján elterülö tözegesek desmidiaceái. (Vorarbeiten zur monographie der desmidiaceen unseres vaterlandes. Die torfmoore am fusse der hohen Tátra). Folia Cryptogamica. 1: 783-790. illus. 1930. no.7.

1. Felsötátrafüredi láp nyári vegetációja. (1. Sommervegetation des moores von Felsö-Tátra-Füred).

Kümmerle, J. B.

Pteridologiai adatok. (Pteridologische daten). Folia Cryptogamica. 1: 981-984. 1930. no.7.

Moesz, G.

A magyarországi szikes területek gombái (Die pilze der ungarländischen szikböden (Natronböden). Folia Cryptogamica. 1: 817-822. illus. 1930. no.7.

German summary: p.818.

Folia Cryptogamica. (cont.)

Moesz, G.

Gombák Magyarország északi részéből. (Pilze aus dem norden Ungarns). Folia Cryptogamica. 1: 795-816. illus. 1930. no.7.

German summary.

Pákh, E.

Leptothrix crassa Chol. a magas Tátrában.(Ueber das vorkommen von Leptothrix crassa in der hohen Tátra). Folia Cryptogamica. 1: 666-668. illus. 1930. no.7.

German summary

Sándor, L.

A Spirogyra nitida (Dillwyn) Link kúszó mozgásai. (Ueber das kriechen der Spirogyra nitida - Fäden). Folia Cryptogamica. 1: 767-782. illus. 1930. no.7.

German summary: p.779-782.

Scheitz, A.

Adatok szovátafürdo talajvegetációja ismeretéhez. (Beiträge zur kenntnis der bodenvegetation von Szovátafürdő in Siebenbürgen). Folia Cryptogica. 1: 791-794. 1930. no.7.

Scherffel, A.

Einige daten zur kenntnis der algen des Balatonsee-planktons. Folia Cryptogamica. 1: 749-766. 1930. no.7.

Szatala, O.

Enumeratio lichenum a cl. F. Fóriss in Galicia lectorum. Folia Cryptoganica. 1: 985-988. 1930. no.7.

Szatala, O.

Lichens hungariae. II. Gymnocarpeae (Graphidinea, Cyclocarpinea: Lecanactidaceae - Peltigeraccae). Folia Cryptogamica. 1: 833-928. 1930. no. 7.

Szatala, O.

Lichenum cacuminum Taträensium I. Folia Cryptogamica. 1: 929-932. 1930. no.7.

Szemere, L.

Egy új árkoltperesæker - Schulzeria. Folia Cryptoganica. 1: 823-826. illus. 1930. no.7.

Folia Cryptogamica. (cont.)
Szepsfalvy, J.
A magas tátra Gymnomitrium fajai. Folia Cryptogamica. 1: 953-964. 1930. no. 7.

Timkó, G.
Thelenella pertuariella (Nyl.) Vain. Magyarország zuzmóvegetáciljában) Folia Cryptogamica. 1: 827-828. 1930. no. 7.

Timkó, G.
Zyzmók turócmegyégöl. (Turócer flechten) Folia Cryptogamica. 1: 829-832. 1930. no.7.
German summary: p.830.

Formosan Agr. Rev.
Sakurai, Y.
The field experiments on the sex determination of seeds and young seedlings of papaya fruit. Part 2. Formosan Agr. Rev. 1930: 491-504. Je. 1930. no.283.
Japanese text.

For. Bull. For. Dept.India.
A list of trade names of Indian timbers. For. Bull. For. Dept. India. 71; 16 p. 1929.

Gard. Bull. Straits Settlem. (Singapore)
Burkill, I. H.
Blainvillea, Cass. Gard. Bull. Straits Settlem. 5: 123. Je. 1930. no.3/6.

Burkill, I. H.
Cedrela in the Malay Peninsula. Gard. Bull. Straits Settlem. 5: 120-122. Je. 1930. no.3/6.

Burkill, I. H.
The Chinese mustards in the Malay Peninsula. Gard. Bull. Straits Settlem. 5: 99-117. Je. 1930. no.3/6.
Brassica oleracea var. acephala, B. juncea var. rugosa, B. campestris var.

Burkill, I. H.
Cosmos in the East. Gard. Bull. Straits Settlem. 5: 118-120. Je. 1930. no.3/6.

Gard. Bull. Straits Settlem. (cont.)

Burkill, I.H. & Haniff, M.
Malay village medicine. Gard. Bull. Straits Settlem. 6: 165-321. Ap.1930. no.2.

Carr, C. E.
Some Malayan orchids. II. Gard. Bull. Straits Settlem. 5: 124-160. pl. i-iv. Je. 1930. no.3/6.

Henderson, M. R.
List of additions to the flora of the Malay Peninsula. (cont.) Gard. Bull. Straits Settlem. 5: 93-98. Je.1930. no.3/6.

Henderson, M. R.
New species from the Malay Peninsula. Gard. Bull. Straits Settlem. 5:72-80. illus., 2 pl. Je.1930. no.3/6.
Impatiens tipusensis, Elaeocarpus tahanensis, Pasania macphailii, Kopsia alba, Oberonia tiomanensis, Coelogyne tiomanensis, n.spp.

Henderson, M. R.
Notes on the flora of Pulau Tioman and neighbouring Islands. Gard. Bull. Straits Settlem. 5: 80-93. 1 pl. Je. 1930. no.3/6.

Holttum, R. E.
The genus Lindsaya in the Malay Peninsula. Gard. Bull. Straits Settlem. 5: 58-71. 1 pl. Je. 1930. no.3/6.
L. integra, L. malayensis, n.spp., L. cultrata parvula, n.var.

Prain, D. & Burkill, I.H.
On Dioscorea gibbiflora, Hook. fil. Gard. Bull. Straits Settlem. 5: 51-57. illus., 1 pl. Je. 1930. no.3/6.

Gard. Chron. (London)

Broadway, W. E.
The wild cacti of Trinidad and Tobago. Gard. Chron. III, 87: 496-497. Je.21, 1930. no.2269.

Brown N.E.
Mesembryanthemum, (cont.) /Conophytum, N.E. Br. Gard. Chron. III, 87: 515-516. Je.28,1930. no.2270.
Conophytum longistylum, C.luteum, C. notabile, C.maughani.

Gard. Chron. (cont.)

Green, D.E.

Diseases in the mushroom bed. Gard. Chron. III, 87: 516-517. illus. Je. 1930. no.2270.

Mycogone perniciosa, Xylaria vaporaria.

Johnson, A. T.

Some dwarf Sedums. Gard. Chron. III, 87: 492. Je.21, 1930. no.2269.

Wall, J. T.

Meconopsis superba. Gard. Chron. III, 87; 513. illus. Je.28, 1930. no.2270.

Gard. Chron. Amer. (New York)

Mohler, M.

Flowers of historical significance. Gard. Chron. Amer. 43: 265-266. Jl. 1930. no.7.

Religious and military traditions and superstitious beliefs underlie the selection of flowers as national emblems.

Gartenfl. (Berlin)

Brinkmann, H.

Winterharte Andromeda. Gartenfl. 79: 187-188. illus. Je.1930.

A. japonica, A. floribunda, A. calyculata, A. polifolia.

Gartenw. (Berlin)

Graebener-Oberkirch, L.

Beobachtungen über die kräuselkrankheit des no.25.

Gladiolus Ann. Brit. Glad. Soc.

Huff, R.

American originations. Gladiolus Ann. Brit. Glad. Soc. 1929: 37-38, 41.

Kunderd, A.E.

The gladiolus. Gladiolus Ann. Brit. Glad. Soc. 1929: 54-58.

Includes short history of gladiolus.

Gladiolus Ann. Brit. Glad. Soc. (cont.)
Mark, L. van der.
Blue gladioli. Gladiolus Ann. Brit. Glad. Soc. 1929: 83-85. incl. col.pl.

Pfitzer, P.
Yellow gladioli. Gladiolus Ann. Brit. Glad. Soc. 1930: 32-35. col.pl.

Pridham, A.M.S.
Gladiolus nomenclature. Gladiolus Ann. Brit. Glad. Soc. 1930: 53.

Stanford, K. C.
Some suggested crosses with South African species. Gladiolus Ann. Brit. Glad. Soc. 1929: 89-90. col.pl.

Genetica. (The Hague)
Kostoff, D. & Kendall, J.
Irregular meiosis in Datura ferox caused by Tetranychus telarius. Genetica. 12: 140-144. illus. 1930. no.1.

Kostoff, D.
Ontogeny, genetics, and cytology of Nicotiana hybrids. Genetica. 12: 33-118. pl. i-x. 1930. no.1.

Wellensiek, S. J.
Linkage-studies in Pisum. III. Genetica, 12: 1-32. fold.tab. 1930. no.1.

Hadar (Palestine Citrogr.) (Jaffa)
Oppenheim, J. D.
The importance of acidity determination in plant physiology. Hadar (Palestine Citrogr.) 3: 143-145. Je. 1930. no.6.

Reichert, I. & Hellinger, E.
Control of Diplodia stem-end rot of citrus. Hadar (Palestine Citrogr.) 3: 136-139. illus. Je. 1930. no.6.

Indian For. Rec.
Norris, D. & Bates, H. T.
Notes on the establishment of Aleurites fordii (tung oil) in the Ranchi district of Chota Nagpur. Indian For. 56: 256-265. pl.29. Je.1930. no.6.

Indische Cult. (Soerbaja)

Kamerling, Z.

Bekende en merkwaardige Indische planten in woord en beeld. II. Indische Cult. 15: 460-465. 2 pl. on 1. Je.1, 1930. no.11.

Wigman, H. J.

Arundina L. Indische Cult. 15: 458-459. illus. Je.1, 1930. no.11.

Intern. Bull. Plant Prot.

England and Wales: Plant parasitic bacteria and fungi not previously recorded for these countries. Intern. Bull. Plant Prot. 4: 66-67. My.1930. no.5.

Jahrb. Wiss. Bot. (Leipzig)

Gradmann, H.

Die tropistischen krümmungen als auswirkungen eines gestörten gleichgewichts. Jahrb. Wiss. Bot. 72: 513-610. illus. 1930. no.4.

Loos, W.

Untersuchungen über mitogenetische strahlen. Jahrb. Wiss. Bot. 72: 611-664. illus. 1930. no.4.

Journ. Agr. Res. (Wash., D. C.)

Nichols, P. F.

Variations in content of sugars and related substances in olives. Journ. Agr. Res. 41:89-96. illus. Jl. 1, 1930. no. 1.

Smith, R. & Walker, J. C.

A cytological study of cabbage plants in strains susceptible or resistant to yellows. Journ. Agr. Res. 41: 17-35. illus., 4 pl. on 3. Jl.1, 1930. no.1.

Walker, J. C. & Smith, R.

Effect of environmental factors upon the resistance of cabbage to yellows. Journ. Agr. Res. 41: 1-15. illus. Jl.1, 1930. no.1.

Journ. Agr. Prat. (Paris)

Lesourd, F.

Histoire des plantes. Les millets (Panicum miliaceum L.-P. italicum L. (cont.) Journ. Agr. Prat. n.s., 53: 476-479. illus. Je.1930. no.24.

Journ. Arnold Arb.

Chester, K. S.

The Phytophthora disease of the calla in America. Journ. Arnold Arb. 11:169-171. Jl.1930. no.3.

Journ. Arnold Arb. (cont.)

Faull, J. H.
The spread and the control of Phacidium blight in spruce plantations. Journ. Arnold Arb. 11: 136-147. Jl. 1930. no.3.

Kajewski, S. F.
A plant collector's notes on the New Hebrides and Santa Cruz Islands. Journ. Arnold Arb. 11: 172-180. Jl.1930. no.3.

Rehder, A.
New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. (cont.) Journ. Arnold Arb. 11: 153-168. Jl.1930. no.3.

Sax, K. & Kribs, D.A.
Chromosomes and phylogeny in Caprifoliaceae. Journ. Arnold Arb. 11: 147-152. pl.24. Jl.1930. no.3.

Wilson, E. H.
Thuja orientalis and Juniperus chinensis. Journ. Arnold Arb. 11: 135-136. pl.23. Jl.1930. no.3.

Journ. Bot. (London)

Baker, E. G.
Eriosema polystachyum Baker var. nov. fulvum Bak.fil. Journ. Bot. 68: 182. Je. 1930. no.810.

Bennett, A., Salmon, C.E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany". (cont.) Journ. Bot. 68(suppl.): 81-88. Je. 1930. no. 810.

Exell, A. W.
The genus Combretodendron A. Chev. (Myrtaceae). Journ. Bot. 68: 181-182. Je. 1930. no.810.

Exell, A. W.
The genus Harungana Lam. (Hypericacaae). Journ. Bot. 68: 181. Je.1930. no.810.

Marie-Victorin, frère
Some evidences of evolution in the flora of north-eastern America. Journ. Bot. 68: 161-172. Je. 1930. no.810.

Journ. Bot. (cont.)
Ridley, H.N.
Asiatic species of Pleomele. Journ. Bot. 68: 177-181. Je.1930. no.810.
P. australasica, P. lancifolia, P. purpurea, P. hosei, n.spp.

Salmon, C. E.
Notes on Sorbus. Journ. Bot. 68: 172-177. Je. 1930. no.810.

Sherrin, W. R.
New Scotch records for Sphagna. Journ. Bot. 68: 187-188. Je.1930 no.810.

Watson, W.
Rubus latifolius Bab. and Rubus latifolius Focke. Journ. Bot. 68: 183-185. Je.1930. no.810.

Wolley-Dod, A. H.
Rosa scabriuscula Smith. Journ. Bot. 68: 185-187. Je.1930. no.810.

Journ. Counc. Sci. Industr. Res. Australia. (Melbourne)
Angell, H. R., Hill, A.V. & Currie, G.A.
Blue mould of tobacco; progress report of studies on an insect vector. Journ. Counc. Sci. Indus. Res. Australia. 3: 83-86. My.1930. no.2.

Journ. Dept. Agr. Ireland. (Dublin)
Murphy, P. A.
Experiments on the control of American gooseberry mildew. (1925-1929). Journ. Dept. Agr. Ireland. 29: 188-204. 1930. no.2.

Journ. Dept. Agr. So. Africa. (Pretoria)
Spafford, W.J.
Effects on germination of exposing wheat during heat waves. Journ. Dept. Agr. So. Australia. 33: 879-880, 882. My.15, 1930. no.10.

Journ. Edinburgh Roy. Bot. Gard. Guild.
Johnston, J. H.
A trip up Table Mountain. Journ. Edinburgh Roy. Bot. Gard. Guild. 2: 61-63. 1930. no.2.

Journ. Sapporo Soc. Agr.& For.
Hiratsuka, N.
Notes on genera of the Pucciniastreae.
Journ. Sapporo Soc. Agr. & For. 22: 20-39.
My.1930. no.99.
Text in Japanese.

Nakamura, S.
On the inheritance of dwarfness in wheat.
Journ. Sapporo Soc. Agr. & For. 22: 52-74. 1 pl.
My.1930. no.99.
Text in Japanese.

Kosmos, (Stuttgart)
Roeder, W.von.
Warum sind kakteen stachelig? Kosmos.
27: 247-250. illus. Jl.1930. no.7.

Stehli, G.
Das biblische manna. Kosmos. 27: 250-251.
Jl. 1930. no.7.

Kranke Pflanze. (Dresden)
Esmarch, F.
Die "hundskamille" und ihre bekämpfung.
Kranke Pflanze. 7: 72-74. My./Je.1930. no.5/6.
Anthemis arvensis, A. cotula, Matricaria inodora,
M. chamomilla given as the most important.

Landbouw Tijdschr. Vereen. Landb. Nederl.-Indië. (Buitenzorg)
Quanjer, H.M., Thung, T.H., Elze, D.L. & Likhité, V.
De virusziekten der planten. (cont.) Landbouw.
Tidjdschr. Vereen. Land. Nederl.-Indië. 5: 793-836.
Ap. 1930. no.10.
English summary: p.829-836.

Landbouwh. Wageningen.
Bijhouwer, A.P.C.
Over het vraagstuk der "veroudering" ten gevolge van langdurig voortgezette, ongeslachtelijke vermeerdering. (The possibility of senility resulting from long continued vegetative reproduction).
Landbouwh. Wageningen. 12: 1-119, incl. 3 pl.
Ap.1930.
English summary: p.95-103.

Landbouwh. Wageningen. (cont.)

Zweede, A. K.

Beoordeeling van de variatie in vroegrijpheid en productie en daarmede gepaard gaande selectie van de "vroege wagenaar" boon. (Beurteilung der variabilität in frühreife und ertragsfähigkeit und die damit zusammengehende selektion der "frühen wagenaar" bohne. Landbouwh. Wageningen., 11: 1-29. D.1929.

German summary: p.22-23.

Landw. Jahrb. Schweiz. (Bern)

Kalberer, O. E.

Versuche zur darstellung von birn- und traubengerbstoff und von pektin. Landw. Jahrb. Schweiz. 44: 151-154. 1930. no.2.

Gaümann, E.

Untersuchungen über die herzkrankheit (phyllonekrose) der runkel- und zuckerrüben. II. Landw. Jahrb. Schweiz. 44: 143-150. 1930. no.2.

Medd. Norsk. Skogforsøks.

Eide, E.

Sommervarmens betydning for granfrøets spireevne Medd. Norsk. Skogforsöks. 3: 475-508. illus. 1930. no.4.

English summary: p.505-506. (Title: Influence of summer temperature on the seed germination of Norway spruce)

Mém. Soc. Sci. Nat. Maroc.

Emberger, L. & Maire, R.

Matériaux pour la flore Marocaine. Mém. Soc. Sci. Nat. Maroc. 1929: 22-33. D.31, 1929.

Maire, R.

Contributions a l'étude de la flore de l'Afrique du nord. fasc. XV. Mém. Soc. Sci. Nat. Maroc. 1929: 1-19. D.31, 1929.

Missouri Bot. Gard. Bull. (St. Louis)

Pring, G. H. & Kohl, P. A.

Rock gardens for St.Louis and vicinity. Missouri Bot. Gard. Bull. 18: 107-112. pl.17-23. Je.1930. no.6.

Mitt. Bayerisch. Bot. Ges. Erforsch. Heim. Flora.

Fischer, G.

Die bayerischen potamogetonen und zannichellien. Mitt. Bayerisch. Bot. Ges. Erforsch. Heim. Flora. 4: 151-165. F.15, 1930. no.10.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Kaltenbach, E.

Tropische ziergehölze als alleebäume. III-IV. Möller's Deut. Gärtn.-Zeit. 45: 199-200, 206. Je.11,21, 1930. no.17-18.

Regelmann, W.

Blühende tradescantien und andere commelinaceen. Möller's Deut. Gärtn.-Zeit. 45: 206. Je.21, 1930. no.18.

Weltz, P.

Francisceen, eine nicht genügent gewurdigte pflanzengattung. Möller's Deut. Gärtn.-Zeit. 45: 207-208. Je.21, 1930. no.18.

Nat. Canad. (Quebec)

Robitaille, A.

Végétaux ligneux et frutescents de la région de Québec. (contd.) Nat. Canad. 57: 121-130. Je./Jl. 1930. no.6/7.

Rousseau. J.

Les entités botaniques nouvelles crées par Brunet. Nat. Canad. 57: 132-135. Je./Jl. 1930. no.6/7.

List of works of Brunet: p.134.

Comments on Draba canadensis, Arenaria rubella var. hirta, Vitis cordifolia var. riparia, Oxytropis campestris, var. americana, Picea nigra var. grisea, Taxus baccata var. canadensis.

Nature. (London)

Whitehead, T.

Transmission of potato leaf-roll. Nature. 125: 674-675. Je.28, 1930. no.3165.

By Myzus circumblexus. Some evidence that Macrosiphum gei transmits leaf roll feebly.

Naturforsch. (Berlin)

Stephan, J.

Zur unterscheidung von stiel- und traubeneiche. Naturforsch. 7: 147-150. illus. Jl. 1930. no.4.

Nat. Hort. Mag. (Washington, D. C.)

Correvon, H.
The sempervivums - les joubardes. (cont.) Nat. Hort. Mag. 9: 116-134. illus. Jl.1930. no.3.
Translated by B.Y. Morrison.

Fairchild, D.
The Gold Coast jasmin. Nat. Hort. Mag. 9: 113-115. pl. Jl.1930. no.3.

Russell, P.
Prunus sieboldii Wittmack. Takasago. Nat. Hort. Mag. 9: 160. pl. Jl.1930. no.3.

Traub, H.
Tendencies in the development of American Horticultural associations, 1800-1850. (cont.) Nat. Hort. Mag. 9: 134-140. Jl.1930. no.3.

Waller, A. E.
What's in a name. Nat. Hort. Mag. 9: 144-149. Jl.1930. no.3.

Wherry, E. T.
Neglected natives. 5. Alumroot. Heuchera pubescens Pursh. Nat. Hort. Mag. 9: 153. Jl.1930. no.3.

Young, R. A.
Dwarf coconuts from Malaya. Nat. Hort. Mag. 9: 140-143. 1 pl. Jl.1930. no.3.

Neues Handb. Trop. Agr.

Ettling, C.
Die rosellapflanze (Hibiscus sabdariffa) als zwischenkultur. Ihr anbau und ihre verwertung. Neues Handb. Trop. Agr. lfg.8. 26 p. [1930?]
Cites the occurrence of Sclerotium rolfsii.

Fiebrig-Gertz, C.
Mate - Paraguay-tee. Neues Handb. Trop. Agr. lfg. 10. 40 p. illus., pl. [1930?]

Notes R. Bot. Gard. Edinb.
Edinburgh, Royal botanic garden.
Plantae chinenses forrestianae. Catalogue of all plants collected by George Forrest during his fourth exploration of Hunnan and Eastern Tibet in the years 1917-1919. (cont.) Notes R. Bot. Gard. Edinb. 17: 147-406. Mr.1930. no.83/85.

Nuovo Giorn. Bot. Ital. (Firenze)
Barsali, E.
Prodromo della flora Umbra. Nuovo Giorn. Bot. Ital. 36: 548-623. 1930. no.4.

Bolzon, P.
Contributo alla flora dell'Alto Adige. Nota V. Nuovo Giorn. Bot. Ital. n.s., 36: 647-660. 1930. no.4.

Montemartini, L.
Fridiano Cavara. Nuovo Giorn. Bot. Ital. 36: 661-678. port. 1930. no.4.
Pubblicazioni del Prof. Fridiano Cavara: p.668-678.

Negodi, G.
Contributo alla conoscenza [illegible] [illegible] di un gruppo di specie del genere "Plantago" appartenenti alla sez. "Biconvexae" Boiss. Nuovo Giorn. Bot. Ital. n.s., 36: 624-646. 2 pl. 1930. no.4.

Pampanini, R.
Quinto contributo ala conoscenza dell' "Artemisia verlotorum" Lamotte. Nuovo Giorn. Bot. Ital. n.s.,36: 395-547. illus., 5 pl. on 4. 4 map. 1930. no.4.

Ohio Journ. Sci. (Columbus)
Stover, W. G. & Johnson, M.M.
Two Ohio subterranean ascomycetes and their ascomycetous parasites. Ohio Journ. Sci. 30: 177-182. My.1930. no.3.
Cordyceps parasitica on Elaphyomyces variegatus, C. agariciformia on E. anthracinus.

Pharm. Acta Helv. (Zürich)

Casparis, P.

Herba equiseti als saponindroge. Pharm. Acta Helv. (Zürich) 5: 62-63. Je.21, 1930. no.5/6.

Vorläufig mitteilung.

Wilczek, E.

La persistance des feuilles du safran pendant l'hiver. Pharm. Acta. Helv. (Zürich) 5: 57-59. Je.21, 1930. no.5/6.

Cyclamen neapolitanum and Scilla autumnalis are also cited.

Philipp. Agr. (Los Banos)

Gines, F. G.

Relative effects of different iron salts upon growth and development of young rice plants Philipp. Agr. 19: 43-52. Je.1930. no.1.

Leoncio, J. B.

The relation to abacá, or Manila hemp, of the banana-wilt fungus Fusarium cubense Efs. Philipp. Agr. 19: 27-42. illus. Je.1930. no.1.

Philipp. Journ. Sci. (Manila)

Fedtschenko, B.

Ferns of Mongolia, Chinese Turkestan, and western Manchuria. Philipp. Journ. Sci. 42: 429-441. Jl. 1930. no.3.

Phytopath. Zeitschr. (Berlin)

Fuchs, W.

Eine neue methode zur künstlichen infektion der gerste mit Helminthosporium gramineum Rbh. und ihre anwendung zur prüfung von beiz- und immunitätsfragen. Phytopath. Zeitschr. 2: 235-256. 1930. no.3.

Grevel, F.K.

Untersuchungen über das vorhandensein biologischer rassen des flugbrandes des weizens (Ustilago tritici). Phytopath. Zeitschr. 2: 209-234. illus. 1930. no.3.

Phytopath. Zeitschr. (cont.)

Lemmerzahl, J.
Beiträge zur bekämpfung des kartoffelkrebses. Phytopath. Zeitschr. 2: 257-320. illus. 1930. no.3.

Schaffnit, E. & Meyer-Hermann, K.
Ueber den einfluss der bodenreaktion auf die lebensweise von pilzparasiten und das verhalten ihrer wirtspflanzen. Phytopath. Zeitschr. 2: 99-166. illus. 1930. no.2.

Steiner, H. E.
Die saugkraft, ein merkmal zur charakterisierung der braunrostbiotypen. Phytopath. Zeitschr. 2: 199-208. illus. 1930. no.3.

Planta Arch. Wiss. Bot. (Berlin)

Bünning, E., Stern, K. & Stoppel, R.
Versuche über den einfluss von luftionen auf die schlafbewegungen von Phaseolus. Planta Arch. Wiss. Bot. 11: 67-74. illus. Je.16,1930. no.1.

Daumann, E.
Das blütennektarium von Magnolia und die futterkörper in der blüte von Calycanthus. Planta Arch. Wiss. Bot. 11: 108-116. illus. Je.16, 1930. no.1.

Haase-Bessel, G.
Gemini-analyse. Planta Arch. Wiss. Bot. 11: 88-107. pl. ii-iv. Je.16, 1930. no. 1.

Kirchheimer, F.
Die fossilen vertreter der gattung Salvinia Mich. II. Ueber sporangienreste eine miozänen Salvinie. Planta Arch. Wiss. Bot. 11: 169-206. illus. Je.16, 1930. no.1.

Kostytschew, S., Tschesnokov, W. & Bazyrina, K.
Untersuchungen über den tagesverlauf der photosynthese an der küste des eismeeres. Planta Arch. Wiss. Bot. 11: 160-168. illus. Je.16, 1930. no.1.

Planta Arch. Wiss. Bot.(cont.)

Kostytschew, S. & Berg. V.

Untersuchungen über den tagesverlauf der photosynthese in Transkaukasien (küsternregion des schwarzen meeres). Planta Arch. Wiss. Bot. 11: 144-159. illus. Je.16, 1930. no.1.

Kostytschew, S. & Kardo-Syssoiewa, H.

Untersuchungen über den tagesverlauf der photosynthese in Zentralasien. Planta Arch. Wiss. Bot. 11: 117-143. illus. Je.16, 1930. no.1.

Kreuter, E.

Beitrag zu karyologisch-systematischen studien an galegeen. Planta Arch. Wiss. Bot. 11: 1-44. illus. Je.16, 1930. no.1.

Kurssanow, A.

Ueber die fermente in austreibenden blattknospen. Planta Arch. Wiss. Bot. 11: 75-87. illus. Je.16, 1930. no.1.

Stern, K., Bünning, E. & Wolodkewitsch, N.

Zur methodik von elektrokulturversuchen. Planta Arch. Wiss. Bot. 11: 45-66. illus. Je.16, 1930. no.1.

Prace Wydz. Chor. Rośl. Państw. Inst. Nauk-Roln. w Bydgoszczy.

Garbowski, L. & Leszczenko, P.

Sprawdzanie odporności ziemniqków na raka ziemnizczanego, Synchytrium endobioticum (Schilb.) Perc. (Epreuves de résistance des pommes de terre contre la galle noire, Synchytrium endobioticum (Schilb.) Perc.) Prace Wydz. Chor. Rośl. Państw. Inst. Nauk- Roln. w Bydgoszczy. no.9: 1-13. 1930.

French résumé: p.12-13.

Garbowski, L. & Leszczenko, P.

Zaprawianie owsa przeciw głowni, Ustilago avenae (Pers.) Jens.(Traitement des semences de l'avoine contre le charbon Ustilago avenae (Pers.) Jens.) Prace Wydz. Chor. Rośl. Państw. Inst. Nauk- Roln. w Bydogoszczy. 8: 1-43. illus. 1929.

French résumé: p.42-43.

Prace Wydz. Chor. Rośl. Państw. Inst. Nauk-Roln. w Bydgoszczy. (cont.)

Leszczenko, P.
Wpłpw mineralnego nawozenia na rozwój parcha na ziemniakach. (Influence of mineral fertilizers on development of the potato scab.) Prace Wydz. Chor. Rośl. Panstw. Inst. Nauk- Roln. w. Bydogoszczy. 9: 15-23. 1930.
English summary: p.23.

Proc. Agr. Soc. Trinidad & Tobago (Trinidad)

Potter, T. I.
Some Trinidadian "honey plants". Proc. Agr. Soc. Trinidad & Tobago 30: 173-183. My.1930. no.5.

Proc. K. Akad. Wetensch. Amsterdam.

Du Buy, H. G. & Nuernbergk, E.
Ueber das wachstum der koleoptile und des mesokoytyls von Avena sativa unter verschiedenen bedingungen. III. Mitteilung. Proc. K. Akad. Wetensch. Amsterdam. 33: 542-556. illus. 1930. no.5.

Heyn, A. N. J.
Die befruchtung bei Theobroma cacao. Proc. K. Akad. Wetensch. Amsterdam. 33: 533-541. illus. pl. i-ii. 1930. no.5.

Proc. Florida State Hort. Soc.

Fulton, H.R., Stevens, H.E., & Wootten, J.F.
Injuries and rots that may follow the use of gasses in the coloring of Florida citrus fruits. Proc. Florida State Hort. Soc. 1929: 184-190. (Rec'd Jl.1930)

Lord, E. L.
The tung oil industry in Florida and its possibilities. Proc. Florida State Hort. Soc. 1929: 61-65. (Rec'd Jl.1930)

Merrin, G. A.
The effect of oil sprays on the transpiration of citrus. Proc. Florida State Hort. Soc. 1929: 219-224. (Rec'd Jl.1930)

Proc. Florida State Hort. Soc. (cont.)

Newell W. & Montgomery, J.H.
A new angle to plant quarantine activities. Proc. Florida State Hort. Soc. 1929: 145-151. (Recd Jl.1930).

Rhoads, A. S.
Gummosis and psorosis of citrus trees, with special reference to their cause and control. Proc. Florida State Hort Soc. 1929: 110-118. (Rec'd Jl.1930)

Ritchey, G. E.
The place of plant improvement in Florida horticulture. Proc. Florida State Hort. Soc. 1929: 88-92. (Rec'd Jl.1930)

Robinson, T. R.
Correct horticultural names of citrus fruits. Proc. Florida State Hort. Soc. 1929: 138-144. (Rec'd Jl.1930)

Singleton, G.
Factors affecting the maturity of citrus fruits. Proc. Florida State Hort. Soc. 1929: 105-109. (Rec'd Jl.1930)

Skinner, B. C.
Citrus fruit growing in Palestine. Proc. Florida State Hort. Soc. 1929: 225-231. (Rec'd Jl. 1930).

Winston, J.R.
Improvement of citrus fruit grades from standpoint of diseases. Proc. Florida State Hort. Soc. 1929: 163-165. (Recd Jl.1930)

Yothers, W. W. & McBride, O. C.
The effects of oil sprays on the maturity of citrus fruits. Proc. Florida State Hort. Soc. 1929: 193-217. (Recd Jl.1930).

Proc. Georgia-Florida Pecan Grow. Assoc.

Crane H.L.
The nutrition of the pecan. Proc. Georgia-Florida Pecan Grow. Assoc. 24: 46-52. 1930.

Proc. Georgia-Florida Pecan Grow. Assoc. (cont.)

Woodruff, J. G.

Soil moisture in relation to size and filling of pecans. Proc. Georgia-Florida Pecan Grow. Assoc 24: 34-36. 1930.

Proc. New Jersey State Hort. Soc.

Clark, J. H.

New varieties of grapes and small fruits. Proc. New Jersey State Hort. Soc. 1929: 107-113. 1930.

Haenseler, C. M.

Results of pea root rot and eggplant wilt investigations. Proc. New Jersey State Hort. Soc. 1929: 159-163. 1930.

Lipman, J. G.

Lime and organic matter as factors in fruit and vegetable production. Proc. New Jersey State Hort. Soc. 1929: 14-20. 1930.

MacDaniels, L. H.

Some factors affecting the set of apples. Proc. New Jersey State Hort. Soc. 1929:114-119. 1930.

Martin, W. H.

The Phoma fruit spot of the apple. Proc. New Jersey State Hort. Soc. 1929: 57-66. 1930.

Martin, W. H.

Some sweet potato and tomato diseases and their control. Proc. New Jersey State Hort. Soc. 1929: 169-179. 1930.

Proc. U. S. Nat. Mus.

Berry, E. W.

Tertiary fossil plants from Colombia, South America. Proc. U.S. Nat. Mus. v.75, no.24. 12 p. 5 pl. on 3. 1929.

Queensl. Agr. Journ. (Brisbane)
Morwood, R. B.
Flag smut in wheat experiments, 1929. Queensl. Agr. Journ. 33: 381-388. Je.1, 1930. no.6.

Queensl. Nat. (Brisbane)
Herbert, D.A.
The plant ecology of Palm Island. (cont.) Queensl. Nat. 8: 68-72. Ap.1930. no.1.

Rec. Trav. Bot. Néerl. (Amsterdam)
Boedijn, K. B.
Beitrag zur kenntnis der pilzflora von Sumatra. Rec. Trav. Bot. Néerl. 26: 396-439. illus. 1929. (Rec'd Jl.1930) no.2/4.

Pinkhof, M.
Untersuchungen über die umfallkrankheit der tulpen. Rec. Trav. Bot. Néerl. 26: 135-288. illus. pl. i-iii. 1929 (Rec'd Jl.1930). no.2/4.

Wijk, R. van d.
Ueber den bau und die entwicklung der peristomzähne bei Polytrichum. Rec. Trav. Bot. Néerl. 26: 289-394. illus. 1929 (Rec'd Jl.1930) no.2/4.

Rep. Food Invest. Bd. Bt. Brit.
Barker, J.
Temperature and the wastage of fruit during overseas transport. Rep. Food Invest. Bd. Gt. Brit. 1929: 63-66. illus. 1930.

Barker, J.
The wastage of fruit in commerce. Rep. Food Invest Bd. Gt. Brit. 1929: 61-63. 1930.

Kidd, F., Onslow, M. & West, C.
Biochemical study of senescence in apples. Rep. Food Invest. Bd. Bt. Brit. 1929: 44-52. illus. 1930.

Smith, W. H.
Loss of water from apples in relation to humidity. Rep. Food Invest. Bd. Bt. Brit. 1929: 54-56. illus. 1930.

Rep. Food Invest Bd. Gt. Brit. (cont.)

Tomkins, R. G.
The effect of acetaldehyde on the growth of moulds. Rep. Food Invest Bd. Gt. Brit. 1929: 57-60. 1930.

Tomkins, R. G.
The treatment of the cut stalks of fruit to prevent rotting. Rep. Food Invest. Bd. Gt. Brit. 1929: 60-61. 1930.

Trout, S. A.
The effect of volatile products on the storage-life of fruit. Rep. Food Invest. Bd. Gt. Brit. 1929: 60. 1930.

West, C.
Effect of climatic conditions upon the storage life of apples. Rep. Food Invest. Bd. Gt. Brit. 1929: 52-54. illus. 1930.

West, C.
Effects of humidity in the storage of apples. Rep. Food Invest Bd. Gt. Brit. 1929: 56-57. 1930.

Rev. Bot. Appl. (Paris)

Chevalier, A.
L'aviation au service de l'agriculture tropicale et de la geographie botanique. Rev. Bot. Appl. 10: 353-356. pl. iii-vi Je.1930. no.106.

Chevalier, A.
Le dattier en Mauritanie. Rev. Bot. Appl. 10: 372-376. Je. 1930. no. 106.

Nodon, A.
Utilisation des fibres de Yucca. Rev. Bot. Appl. 10: 376-380. Je.1930. no. 106.

Trochain, J.
Le ricin (cont.) Rev. Bot. Appl. 10: 385-392. Je.1930. no.106.

Trochain, J.
Rôle de l'aviation dans l'étude des formations végétales et des forêts tropicales. Rev. Bot. Appl. 10: 356-360 Je.1930. no.106.

Rev. Fac. Agron. Univ. La Plata.

Hirschhorn, J.

Contribución al estudio de los citrus en la provincia de Corrientes. Rev. Fac. Agron. Univ. La Plata. 19: 71-97. 22 pl. D.1929 (Rec'd Jl.1930). no.1.

Nieves, R.

Investigaciones sobre le herencia de los caracteres en el trigo. II. Herencia del hábito de crecimiento. Rev. Fac. Agron. Univ. La Plata 19: 64-70. D.1929 (Rec'd Jl.1930). no.1.

Ringuelet, E. J.

Nota de técnia histológica relativa al ablandamiento y examen de maderas. Rev. Fac. Agron. Univ. La Plata. 19: 1-11. 2 pl. D.1929 (Rec'd Jl.1930). no.1.

Rhodesia Agr. Journ. (Salisbury)

Hopkins, J. C. F.

Field control of frenching in tobacco. Rhodesia Agr. Journ. 27: 581-586. 2 pl. Je.1930. no.6.

Hopkins, J. C. F.

A list of plant diseases occurring in southern Rhodesia (concl.) Rhodesia Agr. Journ. 27: 647-652. Je.1930. no.6.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)

Dobrzański, W.

Przyczynek do poznania buraka pastewnego i marchwi pastewnej. (Appendice pour l'étude de la betterave et de la carotte fourragéres). Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 23: 483-506. 5 pl. Je. 1930. no.3.

French summary: p.496-506.

Włodek, J. & Strzemieński, K.

Wpływ braku pokarmów mineralnych, sczególnie potasu,na intensywność zaczerwieniania sie soków ziemnaika. (Ueber den einfluss der nahrstoff-insbesondere kalimangels auf das rotwerden der Kartoffelsáfte.) Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 23: 367-412. Je.1930. no.3.

German summary: p.409-412.

Schweiz. Obst.- u. Gartenb. Zeit. (Münsingen)
Fischer, E.
Eine krankheit von Cydonia japonica. Schweiz. Obst.- u. Gartenb. Zeit. 1930: 216-217. Jl. 1, 1930. no.13.
Sclerotinia cydoniae.

Science. (Lancaster, Pa.)
Harrow, B.
Anthocyanin as an indicator. Science. 72: 14. Jl.4, 1930. no.1853.

Science Progr. (London)
Salisbury, E. J.
Concerning the study of plants. Science. Progr. 25(97): 50-63. Jl.1930.

Scient. Amer. (New York)
Murrill, W. A.
The imperious sycamore. Scient. Amer. 143: 128-129. illus. Ag.1930. no.2.

Senckenbergiana. (Frankfurt a.M.)
Kräusel, R.
Paläobotanische notizen xiii-xvi. Senckenbergiana 12: 29-50. illus. Mr.15, 1930. no.1.

Menzel, P., Weiler, W. & Krejci-Graf, K.
Pflanzen und tiere aus dem tertiär von leoben. Senckenbergiana. 12: 51-64. illus. Mr.15,1930. no.1.

Soil Sci. (Baltimore)
Jensen, H. L.
Actinomycetes in Danish soils. Soil Sci. 30: 59-77. Jl.1930. no.1.

So. African Gard. (Johannesburg)
Barnes, P. E.
Plants - new and noteworthy. South African plants cultivated in the National Botanic Gardens - Kirstenbosch. So. African Gard. 20: 185. illus. Je. 1930. no.6.

Bolus, L.
Mesembrianthemum and allied genera. (cont.) So. African Gard. 20: 182. illus. Je.1930. no.6.
Lithops framesii, L. olivacea n.spp.

Stain Techn.

Tuan, H.

A new method for safranin differentiation. Stain Techn. 5: 103-107. Jl.1930. no.3.

Studia Citrol. Tanaka Citrus Exp. Stat. Japan.

Tanaka, T.

Contribution to the knowledge of citrus classification. Studia Citrol. Tanaka Citrus Exp. Stat. Japan. 3: 164-188. N.1929. no.2.

Text in Japanese.

English summary: p.187-188.

Tanaka, T. & Tanaka, Y.

Propagation of citrus fruits in Japan. Studia Citrol. Tanaka Citrus Exp. Stat. Japan. 3: 197-207. N.1929. no.2.

Text in Japanese.

Trans. Conn. Acad.

Evans, A. W.

The Cladoniae of Connecticut. Trans. Conn. Acad. 30: 357-510. Je.1930.

Trans. Sapporo Nat. Hist. Soc.

Imai, S.

On the Clavariaceae of Japan. II. Trans. Sapporo Nat. Hist. Soc. 11: 70-77. 1930. no.2.

Trop. Agriculture West Indies. (Trinidad)

Wardlaw, C. W. & McGuire, L. P.

Bananas. The behaviour and diseases of the banana in storage and transport. Trop. Agriculture West Indies. 7: 183-189. Jl.1930. no.7.

Trop. Agr. (Ceylon) (Peradeniya)

Parsons, T. H.

Citrus. The present position of orange and grapefruit cultivation in Ceylon with suggestions for its improvement. Trop. Agr. (Ceylon) 74: 263-276. My.1930. no.5.

Tropenpfl. (Berlin)

Marx, Th.

Ueber den gerbstoffgehalt der rinden und fruchte von Burkea africana Hook. Tropenpfl. 33: 227-228. Je 1930. no.6.

U. S. Dept. Agr. Circ.

Griffiths, D.

Experiments with hot-water treatment of daffodils in relation to forcing and field culture. U.S. Dept. Agr. Circ. 113. 36 p. illus., pl. 1. (col.) Ap. 1930.

U.S. Dept. Agr. Plant Dis. Rep.

Beach, W. S.

Disease survey of tobacco seed beds in Pennsylvania. U.S. Dept. Agr. Plant Dis. Rep. 14: 111-113. Jl.1, 1930. no.13.
[Mimeographed]

Steiner, G.

Sweet-potatoes attacked by Tylenchus dipsaci, the bulb or stem nema. U.S. Dept. Agr. Plant Dis. Rep. 14: 109-110. Jl.1, 1930. no.13.
[Mimeographed]

Valleau, W. D.

Tobacco seed beds in Kentucky. U.S. Dept. Agr. Plant Dis. Rep. 14: 113. Jl.1, 1930. no.13.
[Mimeographed]

Univ. Missouri Stud.

Drouet, F.

A list of algae from Columbia, Missouri. Univ. Missouri Stud. 5: 1-16. pl.i-ii, map. Ja.1,1930 (Rec'd Jl). no. 1.

Zirkle, R. E., Cunningham, J. W. & Rickett, H.W.

Common bryophytes of the vicinity of Columbia, Missouri. Univ. Missouri Stud. 5: 25-30. Ja. 1930 (Rec'd Jl). no.1.

Verh. Bot. Ver. Prov. Brandenb. (Berlin-Dahlem)

Chalaud, G.

Sur la place en systématique de Fossombronia fleischeri Osterw. Verh. Bot. Ver. Prov. Brandenb. 72: 69-74. 1 pl. Mr.15, 1930. no.1.

Erichsen, C.F.E.

Die flechten des Moränengebiets von Ostschleswig mit berucksichtigung der angrenzenden gebiete. (concl.) Verh. Bot. Ver. Prov. Brandenb. 72: 1-68. 5 pl. Mr.15, 1930. no.1.

Schulz, O.E.

Ueber kleistogame blüten der Eriophila verna (L.) E. Meyer. Verh. Bot. Ver. Prov. Brandenburg 72:76. Mr. 15, 1930 no.1

Vict. Nat. (Melbourne)
Rupp, H. M.R.
The orchid Prasophyllum nigricans, R.Br.
Vict. Nat. 47: 29-30. Je.1930. no.2.

Williamson, H. B.
Some plants of the northern Mallee. III.
Vict. Nat. 47: 23-25. Je.1930. no.2.

Yearbk. Hort. Soc. N.Y.
Cox, E. H. M.
"Reginald Farrer, traveller, writer, and horticulturist". Yearbk. Hort. Soc. N.Y. 1929: 38-40 (Rec'd Jl.1930)

Guterman, C.E.F.
The lily disease investigation fellowship.
Yearbk. Hort. Soc. N.Y. 1929: 34-37. (Rec'd Jl.1930)

Zeitschr. Forst- u. Jagdw. (Berlin)
Hummel, O.
Aus der biologie des samentragens der waldbäume.
Zeitschr. Forst- u. Jagdw. 62: 365-371. Je.1930. no.6.
"Einiges uber parthenokarpie und parthenospermie."

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)
Bailey, I. W.
The cambium and its derivative tissues. V. A. reconnaissance of the vacuome in living cells. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 651-735. illus., pl. xiii-xv. Je.6, 1930. no.4.

Hofker, J.
Ueber die fortpflanzung einiger diatomeen der Zuidersee. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 769-782. illus. Je.6, 1930. no.4.

Kostoff, D.
Eine tetraploide Petunia. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 783-786. illus. Je.6, 1930. no.4.
P. violacea.

Schussnig, B.
Die mitotische kernteilung bei Ulothrix zonata kuetzing. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 642-650. 1 pl. Je.6, 1930. no.4.

Zeitschr. Zellforsch. & Mikrosk. Anat. (cont.)
Trankowsky, D. A.

"Leitkörperchen" der chromosomen bei einigen angiospermen. Zeitschr. Zellforsch. & Mikrosk. Anat. 10: 736-743. illus. Je.6,1930. no.4.

Zeitschr. Zuckerind. Čechoslovak. Rep.
Rambousek, F.

Schädlinge und krankheiten der zuckerrübe im jahre 1929. Zeitschr. Zuckerind. Cechoslovak. Rep. 54: 433-442. illus. My.30, 1930. no.39.

Uebersetzung des am. 18 März 1930 in čechischer sprache vorgelegten und in "Listy Cukrovarnické" 48, 1929/30, S.414 veröffentlichten originalartikels.

Zprávy Výzkumm. Ustavu Zeméd. (Czecho-Slov. Rep.)

Bratislave. Státne výskumné ústavy zemedelské v Bratislave- Ustav fytopathologický. [Praze] 1928- In Zprava o činnosti státnich a zemskych výzkumnych ustav... (Rapport sur l'activite des instituts, des stations et autres institutions des recherches agronomiques) Vyrocýni Zprávy Výzk. Ustavu Zeměd RCS (Annuaire Inst. Rech.Agron. Rep. Tchécosl.) 5(1928): 240-245. 1930.

Brunn. Moravský Zemský výzkumný ustav zemědélský v Brne - Sekce fytopathologická 1928. In Zprava o činnosti státních a zemskych výzkumných ústavu... (Rapport sur l'activité des instituts, des stations et autres institutions des recherches agronomiques) Vyrocni Zprávy Výzk. Ustavu Zeměd. RCS (Annuaire Inst. Rech. Agron. Rép. Tchecosl.) 5(1928): 668-681. 1930.

Košiciach. Státne výskumné ústavy zemedelské v Kosićiach. Ustav fytopathologický. [Praze] 1928- In Zprava o činnosti státnich a zemskych výzkummných ústav... (Rapport sur l'activité des instituts, des stations et autres institutions des recherches agronomiques) Výrocýni Zprávy Vyzk. Ustavu Zeměd RCS (Annuaire Inst. Rech. Agron. Rép. Tchécosl.) 5(1928): 281-286. 1930.

Prague. Státni výzkumné ústavy pro výrobu rostlinnou v Praze. Utsav fytopathologický. 1928. In Zpráva o činnosti státnich a zemskych ústavu... (Rapport sur l'activite des instituts, des stations et autres institutions des recherches agronomiques) Vyročni Zprávy Výzk. Ustavu Zeměd RCS (Annuaire Inst.Rech. Agron. Rep. Tchécosl.) 5(1928):78-91. 1930.

Exper. Stat. Publ.

Breazeale, J. F.

Maintenance of moisture-equilibrium and nutrition of plants at and below the wilting percentage. Arizona Agr. Exp. Stat. Techn. Bull. 29. 177 p. illus. Mr.15, 1930. (Rec'd Jl.)

Kelley, V. W.

Effect of certain hydrocarbon oils on respiration of foliage and dormant twigs of the apple. Illinois Agr. Exp. Stat. Bull. 348. 406 p. illus. Je.1930.

Bakke, A. L.

European bindweed. Iowa Agr. Exp. Stat. Circ. 124. 12 p. illus., 2 pl. My.1930.

Pammel, L. H. & King, C.M.

Weeds in the vicinity of elevators. Iowa Agr. Exp. Stat. Circ. 123. 4 p. My.1930.

Raleigh, W. P.

Infection studies of Diplodia zeae (Schw.) Lev. and control of seedling blights of corn. Iowa Agr. Exp. Stat. Res. Bull. 124. 121 p. illus. Ap. 1930. (Rec'd Jl.)

Wentz, J. B.

The inheritance of germless seeds in maize. Iowa Agr. Exp. Stat. Res. Bull. 121. 378 p. F.1930 (Rec'd Jl.)

Massachusetts Agr. Exp. Stat. Cranberry substation.

Report 1928-29 In Mass. Agr. Exp. Stat. Bull.260: 345-346. 1930.

Osmun, A. V.

[Report of the] Department of botany 1928-20. In Mass. Agr. Exp. Stat. Bull. 260: 340-344. Mr.1930.

Edmond, J.B., Strand, A.B. & McNall, F. J.

Cantaloupe production in Michigan. Michigan Agr. Exp. Stat Spec. Bull. 193. 31 p. illus. Je.1930.

Goss, R. W.

The symptoms of spindle tuber and unmottled curly dwarf of the potato. Nebraska Agr. Exp. Stat. Res. Bull. 47. 39 p. 7 pl. My.1930.

Exper. Stat. Publ.(cont.)

McKay, M. B. & Dykstra, T. P.
Potato diseases in Oregon and their control. Oregon Agr. Exp. Stat. Circ.96. 83 p. illus. F.1930. (Rec'd Jl.)

Zundel, G. L.
Raspberry disease control. Penn. Agr. Exp. Stat. Circ. 133. 20 p. illus. Je.1930.

State Publications.

Muenscher, W. C.
Leafy spurge and related weeds. Cornell Agr. Exp. Stat. Exten. Bull. 192. 10 p. illus., 2 pl Ap. 1930. (Rec'd Jl.)

Muenscher, W. C.
Poison ivy and poison sumac. Cornell Agr. Exp. Stat. Exten. Bull. 191. 10 p. 3 pl. F.1930. (Rec'd Jl.)

Watkins, J. V.
Herbaceous perennials for Florida. Florida Univ. Div. Agr. Exten. Bull. 57. 36 p. Ja.1930. (Rec'd Jl.)

Tehon, L. R. & Stout, G.L.
Peach yellows in Illinois. Illinois State Nat. Hist. Surv. Bot.Circ. no.1. 23 p. illus. 1929 (Rec'd Jl.1930.

New Books.

Armbruster, L. & Oenike, G.
Die pollenformen als mittel zur honigherkunftsbestimmung. Neummunster, K. Wachholtz, 1929.

Bade, E.
Praxis im zimmergarten. Eine anleitung zur erfolgreichen haltung und pflege der verschiedenen zimmerpflanzen. Berlin, F. Pfenningstorff, [1930]

Bornemann, F.
Die kohlenstoffernährung der kulturpflanzen. Berlin, P. Parey, 1930.

Capus, G., Leulliot, F. & Foëx, E.
Le tabac. Paris, Societé d'éditions géographiques, maritimees et coloniales, 1930. v.3, illus. 279 p.

New Books (cont.)

Chauvel, H.
Les tanins végétaux et, en particulier les écorces tannantes de Madagascar. Lons-le-Saunier, L. Declume, 1927.

Cork, its origin and uses. Lancaster, Armstrong Cork Co., 1930.

Dieterich, K.
Analyse der harze balsame und gummiharze nebst ihrer chemie und pharmacognosie...Zweite, vermehrte und verbesserte auflage hrsg. von chem. fab. Helfenberg A.G. vorm. E. Dieterich, neu bearb. von E. Stock. Berlin, J. Springer, 1930.
456 p.

Fairchild, D.
Exploring for plants. New York, Macmillan Co., 1930.

Goffart, H.
Die aphelenchen der kulturpflanzen. Berlin, J. Springer, 1930 (Monographien pflanzenschutz hrsg. von Dr. H. Morstatt. 4.)

Haldane, J. B. S.
The principles of plant breeding, illustrated by the Chinese primrose. London, W. Clowes & Sons, Ltd. [1930] (Royal Institution of Great Britain)

Kirchner, O., Loew, E. & Schröter, C.
Lebengeschichte der blütenpflanzen mitteleuropas. Spezielle ökologie der blutenpflanzen. Deutschlands, Oesterreiche und der Schweiz. Stuttgart, E. Ulmer, 1930.
v.3, abt.4, bog. 16-20.: 241-308. illus.

Lundegardh, H.
Klima und boden in ihrer wirkung auf das pflanzenleben. 2 verb.aufl. Jena, G. Fischer. 1930. 480 p. illus., 2 fold. maps. (col.), diagrs.

Miége, E.
Les principales variétés de blés cultivees au Maroc. Casblanca, L'imprimerie francaise. 1930.

New Books. (cont.)

Onslow, M. W.
Practical plant biochemistry. Cambridge, University Press,1929.

Reychler, L.
Complement to the album, Mutation with orchids. Nature and we. New facts ascertained with orchids by crossing two mutants of Cattleya labiata. Brussels, Goemaere, 1930.

Rostlinopis, red. dr. S. Prat. Praha, 1930.
Nauka o bunce a anatomie rostlin, napsal dr. B. Nemec. sz. 2, sesit 18. p.361-408. illus.

Sanders, T. W.
Garden foes. London, W.H.& L. Collingridge, Ltd. [1930]
I. Flower foes. II. Fruit foes. III, Vegetable foes.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

LIBRARY
RECEIVED
★ AUG 2 [illegible] ★
Dep. [illegible]

Vol. 12, no. 16. Jl.21-Ag.2, 1930.

Agr. Prat. Pays Chauds. (Paris)

Jumelle, Henri
Les tabacs tombak de Syrie et de Perse. Agr. Prat. Pays Chauds (Paris). n.s., 1: 1-18. illus Jl. 1930. no. 1.

Amer. Potato Journal.

Gratz, L. O. & Schultz, E.S.
Observations on certain virus diseases of potatoes in Florida and Maine. Amer. Potato Journ. 7: 187-200. Jl. 1930. no.8.

Amer. Rose Ann. (Harrisburg, Pa.)

Erlanson, E. W.
Dr. Hurst's rose classification. Amer. Rose Ann. 1930: 91-100.

Massey, L.M. & Meyer, L. J.
Rose-disease investigations. First progress report. Amer. Rose. Ann. 1930: 75-79.

Meyer, L. J.
Dusting roses. Amer. Rose Ann. 1930: 79-81.

Shamel, A. D.
Two important rose varieties from bud-sports. Amer. Rose Ann. 1930: 200-202.
Climbing Cécile Brunner, climbing Papa Gontier.

White, R. P.
Black-spot and brown-canker control. Amer. Rose Ann. 1930: 83-86.

White, R. P.
An infectious chlorosis of rose. Amer. Rose Ann. 1930: 87-90. pl. xi-xii.

Anal. Inst. Biol. Univ. Nac. Mexico.

Bravo, H.

Contribucion al conocimiento de la flora Mexicana. Les cactaceas de Tehuanan. Anal. Inst. Biol. Univ. Nac. Mexico. 1: 87-124. illus. 1930. no.2.

Bravo, H.

Las lemnaceas del valle de Mexico. Anal. Inst. Biol. Univ. Nac. Mexico. 1: 7-32. illus. 1930. no. 1.

Ann. Rep. Quebec Soc. Prot. Plants.

Baribeau, B.

Experiment on the value of "dipdust as a disinfectant for seed potatoes. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 55-68. 1929(Rec'd Jl.1930)

Coulson, J. G.

The effect of gypsum upon the growth and common scab of the potato. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 64-80. 1929(Rec'd Jl.1930)

Coulson, J. G.

Some notes on seed treatments. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 17-27. 1929. (Rec'd Jl.1930)

Howatt, J. L.

Some studies on the use and action of bichloride of mercury as a fungicide. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 40-42. 1929(Rec'd Jl.1930)

Lods, E.A. & Coulson, J. G.

A preliminary report on size of seed in relation to smut infection in oats. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 80-85. 1929(Rec'd Jl.1930)

Machacek, J. E.

The stem spot of onions. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 58-64. 2 pl. on l. 1929(Rec'd Jl.1930)

Macrosporium parasiticum.

Petch, C. E. & Howatt, J. D.

Effects of some sulphur sprays on fruit-bud development. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 39. 1929.(Rec'd Jl.1930)

Ann. Rep. Quebec Soc. Prot. Plants. (cont.)

Taylor, C. F.

Recent developments in the use of sulphur fungicidal sprays. Ann. Rep. Quebec Soc. Prot. Plants. 21(1928/29): 28-32. 1929. (Rec'd Jl. 1930)

Ann. Rep. Rubber Res. Inst. Malaya. (Kuala Lumpur)

Sanderson, A. R.

Annual report 1929, pathological division. Ann. Rep. Rubber Res. Inst. Malaya. 1929: 58-65. 1930.

Ber. Deut. Bot. Ges. (Berlin)

Backmann, E.

Die podetien von Cladonia mitis Sandst. im hohen norden. Ber. Deut. Bot. Ges. 48: 145-152. 1 pl. Je.26, 1930. no.5.

Gäumann, E.

Ueber die bestätigung einer alten volksregel. Ber. Deut. Bot. Ges. 48: 156-168. illus. Je.26, 1930. no.5.

"Fichte und tanne" should be cut in the winter and not in the summer in order that they may be free from fungi.

Hassebrauk, K.

Anomalieen an jungen getreidepflanzen. Ber. Deut. Bot. Ges. 48: 169-176. pl.ii-iii. Je.26. 1930. no.5.

Vasiljev, I.M.

Anabiose bei Carex physodes M.B. Ber.Deut. Bot. Ges. 48: 153-155. illus. Je.26, 1930. no.5.

Biochem. Journ. (London)

Scot-Moncrieff, R.

Natural anthocyanin pigments. I-II. Biochem. Journ. 24: 752-766. illus. 1930. no.3.

I. The magenta flower pigment of Antirrhinum majus. II. The magenta flower pigment of Primula polyanthus.

Biol. Bull. (Woods Hole, Mass.)

Jahn, T. L.

Studies on the physiology of the englenoid flagellates. II. The autocatalytic equation and the question of an autocatalyst in growth of Euglena. Biol. Bull. 58: 281-287. Je.1930. no.3.

Blumen u. Pflanzenb. (Berlin)
Laubert, R.
Eine sehr beachtenswerte krankheit der nelken. Blumen u. Pflanzenb. 45: 109-111. illus. Jl.2, 1930. no.7.
Heteropatella dianthi.

Bol. Agencia Geral. Colón. Portugal. (Lisboa)
Figueiredo Gomes e Sousa, A. de.
Subsidios para o conhecimento da flora da Guiné portuguesa III-V. Bol. Agencia Geral. Colón. Portugal. 6: 51-85. illus. Jl.1930. no.61.

Bot. Arch. (Leipzig)
Haarring, F.
Eine infektionsmethode für haferflugbrand (Ustilago avenae Jens.) und ihre anwendung zu beiz- und immunitätsversuchen im laboratorium und feld. Bot. Arch. 29: 444-473. illus. Je.1930. no,3/4.

Krieger, W.
Untersuchungen über plankton-chrysomonaden. Die gattungen Mallomonas und Dinobryon in monographischer bearbeitung. Bot. Arch. 29: 257-329. illus. Je. 1930. no.3/4.

Langendorf, J.
Zur kenntnis der genetik und entwicklungsgeschichte von Oenothera fallax, rubirigida und hookeri-albata. Bot. Arch. 29: 474-530. illus. Je. 1930. no.3/4.

Niethammer, A.
Biologische spezies- und sorteneigentümlichkeiten im zusammenhange mit beizfragen. Bot. Arch. 29: 437-443. Je. 1930. no.3/4.

Roederer, H.
Die phylogenie des Rosales-astes. Bot. Arch. 29: 330-436. illus. Je.1930. no.3/4.

Bot. Jahrb. Engl. (Leipzig)
Burret, M.
Geonomeae Americanae. (cont.). Bot. Jahrb. Engl. 63: 225-270. Jl.1, 1930. no.4.

Diels, L.
Ein beitrag zur analyse der hochgebirgs-flora von Neu-Guinea. Bot. Jahrb. Engl. 63: 324-329. Jl.1, 1930. no.4.

Bot. Jahrb. Engl. (cont.)

Diels, L.

Beiträge zur flora von Mikronesien und Polynesien IV. Bot. Jahrb. Engl. 63: 271-323. Jl.1, 1930. no.4.

Gothan, W.

Die pflanzengeographischen verhältnisse am ende des paläozoikums. Bot. Jahrb. Engl. 63: 350-352. Jl.1, 1930. no.4.

Weberbauer, A.

Untersuchungen über die temperaturverhältnisse des bodens im hochandinen gebiete Perus und ihre bedeutung für das pflanzenleben. Bot. Jahrb. Engl. 63: 330-349. Jl.1, 1930. no.4.

Botaniste. (Paris)

Cazalas,

Sur l'evolution du vacuôme des Chara et Nitella dans ses relations avec les mouvements cytoplasmiques. Botaniste. 22: 295-322, incl. pl. vi-viii. Je.1930. no.3/5.

Gavaudan, P.

Recherches sur la cellule des hépatiques. Botaniste. 22: 105-295, incl. pl. i-vi (part. col.) illus. Je. 1930. no.3/5.

Brit. Sugar Beet Rev. (London)

Dillon Weston, W. A. R.

Diseases of the sugar beet crop. Brit. Sugar Beet Rev. 3: 253-255. illus. Jl.1930. no.11.

Bull. Agence Gén. Colon. France. (Paris)

Heim de Balsac, F., Dagand, G. S., Heim de Balsac, H., Lefevre, L., Maheu, J. & Parveaud, A.

Graines oléiferes de "voakotry" et de "samborano" de Madagascar. Bull. Agence Gén. Côlon. France. 23: 473-489. 2 pl. Je. 1930. no.257.

Calophyllum inophyllum & Calophyllum sp.

Bull. Amer. Peony Soc.

Boyd, J.

The development of the modern peony. Bull. Amer. Peony Soc. 24: 3-7. Je.1930. no.42.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles)

Joyeux, L.

Nouvelle contribution à l'anatomie et à la systématique des asparagus. Bull. Cl. Sci. Acad. Roy. Belg. V,16: 244-255. pl. i-iv. 1930. no.3.

Wildeman, E.del

A propos de la multiplication chez les conjuguées. Bull. Cl. Sci. Acad. Roy. Belg. V,16: 236-243. 1930. no.3.

Bull. Jard. Bot. État. Bruxelles.

Beeli, M.

Notes mycologiques. IV. Contributions,à la flore mycologique du Congo. Bull. Jard. Bot. Etat. Bruxelles. 8: 245-260. pl.vii. Ap.1930. no.3.

Robyns, W. & Lebrun, J.

Essai d'une monographie du genre Tinnea. Bull. Jard. Bot. Etat. Bruxelles. 8: 161-208. pl.iv-vi. Ap.1930. no.3.

Bull. Mus. Hist. Nat. Paris.

Gagnepain, F.

Quelques Dendrobium nouveaux d'Indo-Chine. Bull. Mus. Hist. Nat. Paris. II, 2: 232-240. F.1930. no.2.

Russell, W.

Sur les cellules à tanin du gynophore d'arachide. Bull. Mus.Hist. Nat. Paris. II, 2: 241-243. illus. F. 1930. no.2.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)

Fourment, P. & Melis, E.

Zur la présence de cannaux sécréteurs dans la moelle de l'Eucalyptus citriodora Hook. Bull. Soc. Hist. Nat. Afr. Nord. 21: 44-47. illus.. Ap.15, 1930. no.4.

Maire, R. & Stephenson, T. S.

Sur quelques plantes nouvelles ou peu connues de L'Algérie orientale. Bull. Soc. Hist. Nat. Afr. Nord. 21: 48-50. Ap.15, 1930. no.4.

Orchis elata, Platanthera bifolia var. laxiflora, Serapias stenopetala, n.sp.

Bull. Soc. Hist. Nat. Afr. Nord. (cont.)

Maire, R.

Synopsis de renonculacées, berbéridacées et nymphéacées de l'Afrique du Nord. Bull. Soc. Hist. Nat. Afr. Nord. 21: 50-62. Ap.15, 1930. no.4.

Bull. Soc. Roy. Bot. Belg. (Bruxelles)

Beeli, M.

Champignons nouveaux pour la flore Belge. Bull. Soc. Roy. Bot. Belg. 62(II,12): 127-132, incl. pl.ix. 1930. no.2.

Peziza luteomarginata, Cladesiella meruloides, Cortinarius radicatus n.spp.

Beeli, M.

Contribution à l'étude de la flore mycologique du Congo. VII. Fungi Goossensiani. Bull. Soc. Roy. Bot. Belg. 62(II,12): 56-66. pl. iii. 1929. (Recd Jl.1930) no.1.

Bommer, C.

Welwitschia mirabilis Hooker F. au jardin botanique de Bruxelles. Bull. Soc. Roy. Bot. Belg. 62(II, 12): 8-11. 2 pl. on 1. 1929 (Rec'd Jl.1930) no. 1.

Fritsché, E.

4 Ethologie du Tussilago farfara L. Bull. Soc. Roy. Bot. Belg. 62(II,12): 119-126, incl. pl. vi-viii. 1930. no.2.

Gravis, A.

Observations anatomiques et éthologiques sur la Genista radiata Scop. Bull. Soc. Roy. Bot. Belg. 62(II,12): 110-118, incl. pl. iv-v. 1930. no.2.

Houzeau de Lehaie, J.

Compte rendu du quelques herborisations les stations d'orchidees de Belgique. Bull. Soc. Roy. Bot. Belg. 62(II,12): 25-55, 75-80. illus. 1929 (Rec'd Jl.1930).

Forms pt. II & III of his Considérations sur la systématique et la génétique des orchidées belges. III. has title: La variation chez les orchidees belges, herborisations au littoral et dans les Hautes-Fagnes en 1929.

Bull. Soc. Roy. Bot. Belg. (cont.)

Kufferath, H.

La florule algologique de Rouge-Cloître. État actuel de nos connaissances sur les algues trouvées a Rouge-Cloître. Bull. Soc. Roy. Bot. Belg. 62(II,12): 87-99. 1930. no.2.

Magnel, L.

Sur la présence, en Belgique du Galinsoga aristulata Bicknell. Bull. Soc. Roy. Bot. Belg. 62(II, 12): 99-100. 1930. no.2.

Monoyer, A.

Les variations vasculaires dues à la manière d'étre des feuilles et l'établissement des types de structure. Bull. Soc. Roy. Bot. Belg. 62(II,12): 69-72. 1929. no. 1.

Stockmans, F.

Contribution a l'étude de Gloeotaenium loitlesbergerianum Harsg. Bull. Soc. Roy. Bot. Belg. 62(II,12): 101-103. illus. 1930. no.2.

Tits, D.

Lamarck (1744-1829). Bull. Soc. Roy. Bot. Belg. 62(II,12): 178-181. 1930. no.2.

Vandendries, R.

La bipolarité sexuelle chez "Coprinus disseminatus" Pers. Bull. Soc. Roy. Bot. Belg. 62(II,12): 133-136. 1930. no.2.

Van Hay, É.

Observations et expérimentation personnelles faites en 1926-1929 sur les rapportes des insectes et des fleurs. Bull. Soc. Roy. Bot. Belg. 62 (II, 12): 82-86. 1930. no.2.

Verplancke, G.

Etude biométrique de quelques formes d'Ustilago zeae (Beck.) Unger. Bull. Soc. Roy. Bot. Belg. 62(II, 12): 137-164. 8 pl. on 4. 1930. no.2.

Verplancke, G.

Une maladie intéressante du châtaignier. Bull. Soc. Roy. Bot. Belg. 62(II,12): 105-107. pl. iii. 1930. no.2.

Coryneum kunzei β castaneae.

Calif. Citrongr. (Los Angeles, Cal.)
Groff, G.W.
Culture and varieties of Siamese pummelos, Calif. Citrogr. 15: 442, 459, 462. illus. Ag.1930. no.10.

Commun. Lab. Prod. Veg. & Herb. Serv. For. Kivu. (Brussels)
Ledoux, P.
Sur une nouvelle espèce du genre Entandrophragma C.DC.(Meliaceae) du Kivu (Congo Belge): Entandrophragma gillardini Ledoux nov.spec. Commun. Lab. Prod. Vég. & Herb. Serv. For. Kivu. no.1. 13 p. 1 pl. Ap.1930 (Rec'd Jl.)

Compt. Rend. Acad. Sci. Paris.
Dangeard, P.
Observations vitales sur le protoplasm des algues. Compt. Rend. Acad. Sci. Paris. 190 1576-1579. illus. Je.30, 1930. no.26.

Girard, R. & Lemesle, R.
La polystélie chez le Ramondia pyrenaica Rich. Compt. Rend. Acad. Sci. Paris. 191: 67-69. illus. Jl.7, 1930. no.1.

Compt. Rend. Soc. Biol. Paris.
Moreau, F.
Les ornements des spores des Russules et l' orthogenese. Compt. Rend. Soc. Biol. Paris. 104: 868-869. Jl.4, 1930. no.23.

Flor. Exch. (N.Y.)
Scott, L. B.
Propagation of roses by budding in the canes. Flor. Exch. 74(13): 25-26. illus. Jl. 6, 1930.

Forestry (Gt. Brit.) (London)
Chalk, L.
Tracheid length, with special reference to Sitka spruce (Picea sitchensis Carr.) Forestry (Gt. Brit.) 4: 7-14. My.1930. no.1.

Clarke, S. H.
The use of the projection apparatus in anatomical studies of timbers. Forestry (Gt. Brit.) 4: 40-44. illus. My.1930. no.1.

Forestry (Gt. Brit.) (cont.)

Waldie, J. S. I.

An oak seeding disease caused by Rosellinia quercina Hartig. Forestry (Gt. Brit.) 4: 1-6. pl.1. My.1930. no.1.

Fortschr. Landw. (Vienna)

Reckendorfer, P.

Das fluor und seine beziehung zur pflanze. Fortschr. Landw. 5: 481-484. Jl.15,1930. no.14.

Gard. Chron. (London)

Brown, N. E.

Mesembryanthemum. Conophytum,N.E.Br. (cont.) Gard. Chron. III, 88: 8. Jl.5, 1930. no.2271.

C. rufescens, C. longum, C. praesectum.

Cook, H. H.

Propagation of Lachenalias by leaf cuttings. Gard. Chron. III, 88: 52. illus. Jl.19, 1930. no.2273.

Friend, H.

Horticulture in relation to commerce. IX.Egypt's contribution. Gard. Chron. III, 88: 12-13. Jl.5, 1930. no.2271.

Mulligan, B. O.

Primula chunglenta. Gard. Chron. III, 88: 11-12. illus. Jl.5, 1930. no.2271.

Ward, F.K.

Notes on "Sikkimensis" primulas. Gard. Chron. III, 88: 32. Jl.12, 1930. no.2272.

Ward, F. K.

Some woodland primulas. Gard. Chron. III, 88: 8-9. illus. Jl.5, 1930. no.2271

Yashiroda, K.

Lycoris radiata. Gard. Chron. III, 88: 9. illus. Jl.5, 1930. no.2271.

Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.)

Khristov, M.

A haploid tobacco plant. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.) 8: 285-296. illus. 1930.

Bulgarian with English summary.

Kostov, D.

Biology of the callus. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.) 8: 297-316. 4 pl. 1930.

Bulgarian with English summary.

Kostov, D.

... Chromosomaberrationen und genmutationen als ursache des saatgutsabbaues. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia V. Facul. Agron.) 8: 317-324. 1930.

Vorläufige mitteilung.

Bulgarian with German summary.

Kovachevsky, I. Kh.

... Bacterial blight of sesame. Godishn. Sofiisk. Univ. V. Agron. Fakul. (Ann. Univ. Sofia. V. Facul. Agron.) 8: 455-468. 1930.

Phytomonas sesami.

Bulgarian with English summary.

Gum Tree.

Fungi of the forest. Gum Tree 12(54): 1-8, 26. illus. Je.1930. no.54.

Repr. from "The Argus", Melbourne.

Indische Cult. (Soerbaja)

Makerling, Z.

Bekende en merkwaardige Indische planten in woord en beeld. (cont.) Indische Cult. 15: 497-503. pl. Je.16, 1930. no.12.

Journ. Agr. Prat. (Paris)

Brétignière, L.

Dehérain et l'agriculture. Journ. Agr. Prat. n.s., 54(1): 29-31, 52-54. port. Jl.12,19, 1930. no.28, 29.

Morisset, C.

Destruction des mauvaises herbes par l'acide sulfurique dilué essais sur cultures de betteraves et de pommes de terre. Journ. Agr. Prat.n.s., 54(1): 31-32, Jl.12, 1930. no.28.

Journ. Agr. Sci. (London)
Goodwin, W., Martin, H. & Salmon, E. S.
The fungicidal properties of certain spray-fluids. VII. Journ. Agr. Sci. 20: 489-497. Jl.1930. no.3.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)
Kiesselbach, T. A.
The use of advanced-generation hybrids as parents of double cross seed corn. Journ. Amer. Soc. Agron. 22: 614-626. Jl.1930. no.7.

Pammel, L. H. & King, C. M.
A weed survey of Iowa. Journ. Amer. Soc. Agron. 22: 587-594. Jl.1930. no. 7.

Stewart, R. T. & Wentz, J. B.
A defective seed-coat character in soy-beans. Journ. Amer. Soc. Agron. 22: 657-662. illus. Jl.1930. no.7.

Journ. Bot. (London)
Dandy, J. E.
New Magnolieae from China and Indo-China. Journ. Bot. 68: 204-214. Jl. 1930. no.811.

Good, R. O'D.
Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledons, Gamopetalae. (cont.) Journ. Bot. 68(Suppl.): 137-144. Jl.1930. no. 811.

Pugsley, H. W.
The duration of Herniaria glabra. Journ. Bot. 68: 214-218. Jl.1930. no. 811.

Sprague, T. A.
The source of the generic name Rorippa. Journ. Bot. 68: 219-220. Jl.1930. no. 811.

Westbrook, M. A.
Callithamnion tetricum (Dillw.) Agr. Journ. Bot. 68: 193-203. illus. Jl.1930. no.811.

Journ. Dept. Agr. So. Australia. (Adelaide)
Spafford, W. J.
A variegated lucerne with underground stems. Journ. Dept. Agr. So. Australia. 33: 952-953. Je.16, 1930. no.11.
Probably Medicago media.

Journ. Genetics. (London)

Gregor, J. W. & Sansome, F. W.
Experiments on the genetics of wild populations II. Phleum pratense L. and the hybrid P. pratense L.× P. alpinum L. Journ. Genetics. 22: 373-386. illus., pl.xv-xvi. Jl.1930. no.3.

Haldane, J. B. S.
Theoretical genetics of autopolyploids. Journ. Genetics. 22: 359-372. Jl.1930. no.3.

Jenkin, T. J.
Inheritance in Lolium perenne L. III. Base-colour factors C. and R. Journ. Genetics. 22: 389-394. Jl.1930. no.3.

Kostoff, D.
Chromosomal aberrants and gene mutations in Nicotiana obtained by grafting. Journ. Genetics. 22: 399-418. illus. Jl.1930. no.3

Lesley, M. M. & Lesley, J. W.
The mode of origin and chromosome behaviour in pollen mother cells of a tetraploid seedling tomato. Journ. Genetics. 22: 419-425. illus., pl. xviii-xix. Jl. 1930. no.3.

Journ. Gen. Physiol. (Baltimore, Md.)

Blinks, L. R. & Jacques, A. G.
The cell sap of Halicystis. Journ. Gen. Physiol. 13: 733-737. Jl.20,1930. no. 6.

Blinks, L. R.
The variation of electrical resistance with a applied potential. I- Journ. Gen. Physiol. 13: 793-806. illus. Jl.20, 1930. no.6.
I. Intact Valonia ventricosa.

Jacques, A. G. & Osterhout, W. J. V.
The kinetics of penetration. II. The penetration of CO_2 into Valonia. Journ. Gen. Physiol. 13: 695-713. Jl. 20, 1930. no.6.

Moelwyn-Hughes, E. A.
The enzymic hydrolysis of phloridzin. Journ. Gen. Physiol. 13: 807-817. Jl.20,1930. no.6.

Journ. Gen. Physiol. (cont.)
Osterhout, J. W. V.
Calculations of bioelectric potentials. I. Journ. Gen. Physiol. 13: 715-732. illus. Jl.20, 1930. no.6.
I. Effects of KCL and NaCl on Nitella.

Journ. Helminth. (London)
Miles, H. W.
Field studies on Heterodera schachtii Schmidt in relation to the pathological condition known as "potato sickness". Journ. Helminth. 8: 103-122. 4 pl. on 2. Je. 1930. no2.

Journ. Min. Agr. Gt. Brit. (London)
Pethybridge, G. H. & Smith, A.
A watery wound rot of the potato tuber. Journ. Min. Agr. Gt. Britain. 37: 335-340. 2 pl. on 1. Jl.1930. no.4.
Pythium sp. similar to P.de Baryanum.

Journ. N.Y. Bot. Gard.
Britton, N. L.
Scientific survey of Porto Rico and the Virgin Islands. Journ. N.Y. Bot. Gard. 31: 161-167. Jl.1930. no. 367.

Rusby, H. H.
Coffee. Journ. N.Y. Bot. Gard. 31: 168-175. illus. Jl.1930. no.367.
General discussion of plant, qualities & uses.

Journ.Pharm. & Chim. (Paris)
Bridel, M. & Rabaté, J.
Sur la présence du picéoside dans l'écorce de saule noir. Journ.Pharm. & Chim. VIII, 11: 561-572. Jl.16, 1930. no.12.

Meesemaecker, R. & Griffon, H.
Sur le mécanisme de la réaction de Liebermann-Burchard. Application à la différenciation des stérols d'origine animals ou végétale. Journ. Pharm. & Chim. VIII, 11: 572-580. Je.16, 1930. no.12.

Landw. Jahrb. (Berlin)
Gordienko, M.
Ueber die beziehungen zwischen bodenbeschaffenheit und wurzelgestaltung bei jungen pflanzen. Landw. Jahrb. 72: 125-139. illus. 1930. no.1.

Landw. Jahrb. (cont.)
Oettinger, H. v.
Untersuchungen über die blattbreite bei Poa pratensis. Landw. Jahrb. 72: 59-63. illus. 1930. no.1.

Malayan Agr. Journ. (Kuala Lumpur)
Beeley, F.
Secondary leaf-fall of rubber. Malayan Agr. Journ. 18: 306-308. Je.1930. no.6.
Abstract from "Report on a visit to the Malacca Territory and Southern Negri Sembilan to investigate the occurrence of Oidium heveae".

Milsum, J. N.
Pepper in Malaya. Malayan Agr. Journ. 18: 274-280. 2 pl. Je. 1930. no.6.

Matières Grass(Paris)
Pieraerts, J., Castagne, E. & Adriaens, L.
Contribution à l'étude chimique des légumineuses oléagineuses du Congo Belge. (cont.) Matières Grass. 22: 8894-8896. Jl.15, 1930. no.267.

Mem. Imp. Coll. Trop. Agr. Trinidad. Mycol. Ser.
Briton-Jones, H. R.
Control of the American leaf disease (Omphalia flavida) on Arabian coffee in Trinidad. Mem. Imp. Coll. Trop. Agr. Trinidad Mycol. Ser. no.2. 8 p. Ag. 1930.

Möller's Deut. Gärtn.-Zeit. (Erfurt)
Garbari, C.
Wie ich zur Cymbidiumzucht kam. Möller's Deut. Gärtn.-Zeit. 45: 229-230. illus. Jl.11, 1930. no.20.

Kaltenbach, E.
Sterculia diversifolia. Tropische ziergehölze als alleebäume. V. Möller's Deut. Gärtn.-Zeit. 45: 231. Jl.11, 1930. no.20.

Koch, F.
Interessante kreuzung Duchesnea indica Focke X Potentilla procumbes Sibth. Möller's Deut. Gärtn.-Zeit. 45: 232. Jl.11, 1930. no.20.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bödeker, F.

Echinocactus knuthianus Böd., sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 139-141. illus. Jl.1930. no.7.

Schwantes, G.

Pleiospilos nelii. Monatsschr. Deut. Kakteen-Ges. 2: 146-147. illus. Jl.1930. no.7.

Nature. (London)

Martin, H. & Salmon, E. S.

Vegetable oils as fungicides. Nature. 126: 58. Jl.12, 1930. no.3167.

Smith, K.M.

Transmission of potato leaf roll. Nature. 126: 96. Jl.19, 1930. no. 3168.

Nature Mag. (Washington, D.C.)

Brand, L.

Colorado mountain gentians. Nature Mag. 16: 85-88. illus. Ag. 1930. no. 2.

Hansen, A. A.

Dwarfed plants. They are normal in all but size. Nature Mag. 16: 121, 130. illus. Ag.1930. no.2.

Stunted arborvitae and pigmy black spruce found near Norland, Mich.

Shannon, E. V.

A weed attacks. The water chesnut threatens fishing waters. Nature Mag. 16: 121-124. illus. Ag. 1930. no.2.

Nederl. Kruidk. Arch. (Amsterdam)

Donk, M. A.

Nederlandse basidiomyceten. I- Nederl. Kruidk. Arch. 1930: 65-112. illus. Jl.1, 1930. no.1.

New Phytol. (London)

Priestley, J. H.

Studies in the physiology of cambial activity. II. The concept of sliding growth. New Phytol. 29: 96-140. illus., pl. ii. Je.30, 1930. no.2.

Saunders, E. R.

Illustrations of carpel polymorphism. VI. New Phytol. 29: 81-95. illus. 3 pl. Je.30,1930. no.2.

New Phytol. (cont.)

Wu, G. M. & Tilden, J. E.
The discovery of Oedogonium princeps (Hassall) Wittrock in North America. New Phytol. 29: 141-147. illus. Je.30, 1930. no.2.

New Flora & Silva. (London)

Bean, W. J.
Cotoneasters. I- New Flora & Silva. 2: 253-258. Jl.1930. no.4.

Dorset,
How far does site and environment affect hardiness? New Flora & Silva. 2: 275-280. Jl. 1930. no.4.

Hay, T.
Meconopsis auriculata. New Flora & Silva. 2: 272-273. pl. J 1.1930. no.4.
New spec. determined by O. Stapf.

Ingwersen, W. E. Th.
Dwarf narcissi. New Flora & Silva. 2: 243-249. illus. Jl.1930. no.4.

Jackson, A. B.
The British elms. New Flora & Silva. 2: 219-229. 8 pl. on4. Jl.1930. no.4.

Schacht, W.
Plant-collecting on the Rila Mountains. New Flora & Silva. 2: 239-242. 4 pl. on 2. Jl. 1930. no.4.

Stern, F. C.
Eremurus in England. New Flora & Silva. 2: 250-252. 2 pl. on 1. Jl.1930. no.4.

New Zeal. Journ. Agr. (Wellington,)

Dayus, C. V.
Poisoning of live-stock. Some common mineral and plant poisons. New Zeal. Journ. Agr. 40: 386-391. Je.20, 1930. no.6.
Senecio jacobaea, Coriaria ruscifolia.

Levy, E. B. & Davies, Wm.
Perennial rye-grass strain investigation. New Zeal. Journ. Agr. 40: 363-385. illus. Je.20, 1930. no.6.

North West. Nat. (Arbroarth, Scotland)

Blake, E. M.
Notes on zygomorphy of Primula vulgaris Huds. North West. Nat. 5: 95-96. pl.7. Je.1930. no.2.

Claye, A. N.
The flora of Stockport County borough. North West. Nat. 5: 111-112. Je.1930. no.2.

Dallman, A. A.
Tulipa sylvestris L. North West. Nat. 5: 112. Je.1930. no.2.

Murray, J.
Cumberland mosses. (cont.) North West. Nat. 5: 41-42, 113-114. Mr., Je.1930. no.1, 2.

Weiss, F. E.
Charles Bailey (1838-1924). North West. Nat. 5: 81-86. port. Je.1930. no.2.

Weiss, F. E.
Wilfrid Robinson (1885-1930). North West. Nat. 5: 116-117. pl.8 (port.) Je.1930. no.2.

Nuovo Giorn. Bot. Ital. (Firenze)

Chiarugi, A.
Partenocarpia in "Zizyphus sativa" Gaertn. Nuovo Giorn. Bot. Ital. n.s., 37: 287-312. illus. 1930. no.2.

Chiarugi, A.
"Vitaliana primulaeflora" Bertol. Studio cariologico, sistematico e fitogeografico. Nuovo Giorn. Bot. Ital. n.s., 37: 319-368. illus., pl. xviii. 1930. no.2.

Fiori, A.
Località nuove di piante italiane (cont.) Nuovo Giorn. Bot. Ital. n.s., 37: 435-437. 1930. no.2.

Gola, G.
Due piante rare per la flora piemontese. Nuovo Giorn. Bot. Ital. n.s., 37: 398-401. 1930. no.2.
Brachypodium mucronatum, Primula santii.

Nuovo Giorn. Bot. Ital. (cont.)

Lanzoni, F.

Martino Vahl e "Salvia fulgens" Cav. in Italia. Nuovo Giorn. Bot. Ital. n.s., 37: 438-442. 1930. no. 2.

Mameli-Calvino, E.

Ricerche su una forma singolare di deuterolichene "Chlorocyphella subtropica" Speg. Nuovo Giorn. Bot. Ital. n.s., 37: 369-379. pl. xix. 1930. no.2.

Marcello, A.

Il problema della eredità considerato dal punto di vista chimico-fisico. Nuovo Giorn. Bot. Ital. n.s., 37: 402-434. 1930. no. 2.

Marcello, A.

Sulla interpretazione di alcuni casi teratologici nelle infiorescenze di "Zea mais" L. (cont.) Nuovo Giorn. Bot. Ital. n.s., 37: 380-397. pl. xx-xxiv. 1930. no. 2.

Passerini, N.

Sopra la "Cuscuta pentagona" Engel. volg. "Cuscuta grossa". Nuovo Giorn. Bot. Ital. n.s., 37: 443-447. illus. 1930. no.2.

Savelli, R.

Nuovo reperti di intersessualitá nelle cucurbitacee. Nuovo Giorn. Bot. Ital. n.s., 37: 313-318. 1930. no.2.

Scaramella, P.

Appunti sull'ecologia dei funghi alpini della zona del piccolo San Bernardo. Nuovo Giorn. Bot. Ital. n.s., 37: 448-451. 1930. no.2.

Orchid Rev. (Richmond, England)

Acineta superba (Humboldtii). Orchid Rev. 38: 195-196. Jl. 1930. no.445.

The genus Comparettia. Orchid Rev. 38: 204-205. illus. Jl. 1930. no.445.

Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect.

Alcock, N. L.

International aspects of plant diseases. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 211-213. 1929.

Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. (cont.)

Bottomley, A.M. & Doidge, E.M.
Maize diseases in South Africa. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 235-237. 1929.

Burton, G. J. L.
Wheat breeding in Kenya. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 149-156. 1929.

Hall, A. D.
Recent genetic and cytological developments bearing upon the breeding of economic plants and fruit. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 184-190. 1929.

McClean, A. P. D.
Sugar cane diseases in South Africa. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 244-250. 1929.

McDonald, J.
The five principal diseases of coffee in Kenya are berry disease, leaf disease, dieback, pink disease, and root disease. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 250-252. 1929.

McDonald, J. L.
Notes on maize diseases in Kenya. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 234-235. 1929.

McDonald, J.
Notes on the physiologic forms of wheat stem rust in Kenya and their bearing on wheat breeding. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 242-244. 1929.

Merwe, C. P. van der.
Plant protection measures. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 213-220. 1929.

Moore, E. S.
Diseases of cotton and tobacco in South Africa. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 252-254. 1929.

Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. (cont.)

Moore, E. S.

The resistant plant as a factor in disease control. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 220-222. 1929.

Staner, P.

Cryptogamic diseases of some economic plants in the Belgian Congo. Pan-African Agr. & Veter. Conf. Pretoria, 1929, Agr. Sect. 2: 222-233. 1929.

Phytopath.

Baxter, D. V.

A brush treatment of moldy staves. Phytopath. 20: 575-582. illus. Jl.1930. no.7.

Ezekiel, W. N.

Modified procedure with the Keitt single-spore method. Phytopath. 20: 583-586. illus. Jl. 1930. no.7.

Hunt. N. R.

Frank Getchell O'Donnell, 1896-1928. Phytopath, 20: 531-533. Jl. 1930. no.7.

Ranker, E. R.

Apparatus and method for obtaining sterile filtrates of biological fluids. Phytopath. 20: 569-573. illus. Jl. 1930. no. 7.

Smith, M. A.

The control of certain fruit diseases with flotation sulphurs. Phytopath. 20: 535-553. illus. Jl. 1930. no. 7.

Sprague, R.

Notes on Phyllosticta rabiei on chick-pea. Phytopath. 20: 591-593. Jl.1930. no. 7.

Tilford, P. E.

A Rhizoctonia disease of sweet alyssum. Phytopath. 20: 587-590. illus. Jl. 1930. no. 7.

Zeller, S. M. & Goodding, L. N.

Some species of Atropellis and Scleroderris on conifers in the Pacific northwest. Phytopath. 20: 555-567. pl. i. Jl.1930. no. 7.

Atropellis (gen.nov.) A. pinicola on Pinus monticola and P. contorta; A. treleasei (S. treleasei Sacc.) Scleroderris abieticola (sp.nov.) on Abies grandis and A. amabilis.

Pomol. Franc. (Villefranche, France)

Routier, H.

Des moyens a employer pour empecher, dans une certaine mesure, la propagation des maladies cryptogamiques par les outils de taille, de greffage et d'élagage. Pomol. Franc. 1930: 87-91. Jl. 1930. no.7.

Prakt. Blätt. Pflanzenb.u. Pflanzensch. (Freising)

Flachs, K. & Kronberger, M.

Zum kohlhernieproblem. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 75-80. Je.1930. no.4.

Proc. Acad. Nat. Sci. Phila.

Juel, H. O. & Harshberger, J. W.

New light on the collection of North American plants made by Peter Kalm. Proc. Acad. Nat. Sci. Phila. 81: 297-303. 1930.

Pennell, F. W.

Agalinis and allies in North America. II. Proc. Acad. Nat. Sci. Phila. 81: 111-249. illus. (maps) 1930.

Proc. Georgia State Hort. Soc.

Harper, R. M.

Forests and trees of Georgia. Proc. Georgia State Hort. Soc. 53(1929): 45-54. [1930?]

Hutchins, L. M.

The cause and the contagious nature of the phony disease of the peach. Proc. Georgia State Hort. Soc. 53 (1929): 25-32. 2 pl. [1930?]

Same material with slight changes as in his "The phony disease of the peach" which appeared in Agr. Bull. Atlanta and West Point R.R.Co. 1930, no.1.

Roberts, J. W., Pierce, L. & Dunegan, J. C.

Control of peach bacterial spot (bacteriosis) Proc. Georgia State Hort. Soc. 53(1929): 32-35. [1930?]

Proc. Roy. Soc. Edinb.

Caldwell, J.

Studies in translocation. I-. Proc. Roy. Soc. Edinb. 50: 130-141. illus., pl. 1930. no.2.

I. Movement of food-materials in the Swedish turnip.

Proc. Roy. Soc. Edinb. (cont.)

Williams, S.

The morphology of Trichomanes aphlebioides Christ, with special reference to the aphlebioid leaves. Proc. Roy. Soc. Edinb. 50: 142-152. illus., pl i. 1930. no.2.

Proc. Roy. Soc. Queensl.

Herbert, D. A.

Changes in osmotic pressure in relation to movement of Mimosa pudica. Proc. Roy. Soc. Queensl. 41: 144-153. F.12, 1930.

Herbert, D. A.

Cyttaria septentrionalis, a new fungus attacking Nothofagus moorei in Queensland and New South Wales. Proc. Roy. Soc. Queensl. 41: 158-161. pl. xi. F.12, 1930.

Jones, T. G. H.

Chemical constituents of the bark of Melicope erythrococca. Proc. Roy. Soc. Queensl. 41: 154-157. F.12, 1930.

Jones, T. G. H. & Smith, F. B.

The volatile oil of Queensland sandalwood (Santalum lanceolatum). Proc. Roy. Soc. Queensl. 41: 17-22. F.12,1930.

Steenis, C.G.G.J.van.

A revision of the Queensland Bignoniaceae. Proc. Roy. Soc. Queensl. 41: 39-58. illus. F.12, 1930.

White, C. T. & Francis, W. D.

Contribution to the Queensland flora, no.4. Proc. Roy. Soc. Queensl. 41: 139-143. pl.ix-x. F.12, 1930.

Protoplasma. (Leipzig)

Milovidov, P. F.

Sur l'influence du radium sur le chrondriome des végétaux inférieurs. Protoplasma. 10: 297-299. illus. Je.1930. no.2.

Protoplasma. (cont.)

Milovidov, P. F.

Zur zytologie der pflanzentumoren. Protoplasma. 10: 294-296. illus. Je.1930. no.2.

Pfeiffer, H.

Experimentelle und theoretische untersuchungen über die entdifferenzierung und teilung pflanzlicher dauerzellen. II. Verschieden gerichtete permeabilitätsveränderungen während der abgliederung kernloser zellen aus dauerelementen des blattes von Helodea densa Casp. Protoplasma. 10: 253-288. illus. Je. 1930. no.2.

Scheitterer, H.

Plasmolyse-ort der blatt-palisaden-zellen. Protoplasma. 10: 289-293. illus. Je.1930. no.2.

Helleborus niger.

Publ. Field Mus. Nat. Hist. Bot. Serv.

Macbride, J. F.

Spermatophytes, mostly Peruvian-II. Publ. Field Mus. Nat. Hist. no.278, Bot.Serv. 8: 77-130. Jl.9, 1930. no.2.

1. New species of various families, [by various authors] 2. Leguminosae, especially the genera Parosela and Psoralea. 3. Peruvian Solanaceae. 4. Other Peruvian plants, chiefly new species. 5. An Illinois variety of shoot star (Dodecatheon meadia var. alba)

McNair, J. B.

A study of some characteristics of vegetable oils. Publ. Field Mus. Nat. Hist. Bot. Serv. 9: 47-68. Je.19,1930. no.2.

Standley, P.C.

Studies of American plants. III. Publ. Field Mus. Nat. Hist. no. 277, Bot.Ser. 8: 1-73. Jl.9, 1930. no.1.

Rev. Facul. Agron. Univ. Montevideo.

Cassamagnaghi, F.

Plantas tóxicas para el ganado. Rev. Facul. Agron. Univ. Montevideo. 3: 59-120. illus. Jl. 1930.

Rev. Gén. Bot. (Paris)
Guilliermond, A.
Recherches ultramicroscopiques sur les cellules végétales. (cont.) Rev. Gén. Bot. 42: 327-347. illus., 1 pl. Je. 1930. no. 498.

Ling-Young, M.
Étude biologique des phénomènes de la sexualité chez les mucorinées (cont.) Rev. Gen. Bot. 42: 348-361. illus. Je. 1930. no. 498.

Loubière, A.
Sur les graines et les feuilles stipales associées a l'Odontopteris obtusa Brongn. dans le terrain carbonifére de carmaux. Rev. Gén. Bot. 42: 321-326. illus. Je. 1930. no. 498.

Rev. Inst. Agr. d'Oka.
Samson, S.
La génétique du Brassica oleracea. Rev. Inst. Agr. d'Oka. 4: 121-122. Jl./Ag. 1930. no. 4.

Rev. Path. Vég. & Entom. Agr. (Paris)
Arnaud, G. & Barthelet, J.
Le dépérissement des ailantes et le Verticillium dahliae Klebahn. Rev. Path. Vég. & Entom. Agr. 17: 227-230. My./Je. 1930 (Jl.) no. 5/6.

Arnaud, G. & Gaudineau, Mlle.
Le mildiou du rosier dans la région de Paris. Rev. Path. Veg. & Entom Agr. 17: 230-231. My./Je. 1930 (Jl.) no. 5/6.

Labrousse, F.
Influence de la fumure sur la résistance d'une variété de laitue à la maladie du côllet causée par le Sclerotinia libertiana. Rev. Path. Vég. & Entom. Agr. 17: 222-226. My./Je. 1930 (Jl.) no. 5/6.

Moreau, F.
Sur une maladie des blés en herbe. Rev. Path. Vég. & Entom. Agr. 17: 236-239. illus. My./Je. 1930. (Jl.) no. 5/6.

Cladosporium herbarum.

Rhodora. (Boston)

Bill, J. P.

Carex knieskernii Dewey. Rhodora. 32: 162-166. Ag. 1930. no. 380.

Blake, S. F.

A glabrous variety of Aster concolor. Rhodora. 32: 144-145. Ag.1930. no.380.

A. concolor var. devestitus.

Collins, J. F.

On changing the direction of sap conducting tissues. Rhodora. 32: 145-146. Ag.1930. no.380.

Experiments with chestnuts.

Eaton, R. J.

Color variation in Gentiana linearis. Rhodora. 32: 143-144. Ag. 1930. no.380.

Fernald, M. L.

The Cape Cod Ceanothus. Rhodora. 32: 161-162. Ag. 1930. no. 380.

C. americanus var. intermedius.

Fogg, J. M., jr.

The flora of the Elizabeth Islands, Massachusetts, Rhodora. 32: 147-161. Ag.1930. no.380.

Rubber Res. Scheme, Ceylon. Leafl.

Murray, R.K.S.

The control of bark rot. Rubber Res. Scheme, Ceylon Leafl. 12. 4 p. Ap.25, 1930.

Murray, R.K.S.

Sulphur dusting as a means of controlling Oidium. Rubber Res. Scheme, Ceylon Leafl. 11. 4 p. Ap.25, 1930.

Science. (Lancaster, Pa.)

Flowerpots that water themselves were demonstrated... Science. v.72, no.1856, Suppl. p.x. Jl.25, 1930. no.1856.

Device called auto-irrigator of B. E. Livingston, demonstrated by E. P. Deatrick of W. Va. Univ.

Science. (cont.)

Hiura, M.

A simple method for the germination of oospores of Sclerospora graminicola. Science. 72: 95. Jl.25, 1930. no. 1856.

Scient. Agr. (Ottawa)

Jones, D. H.

A serious case of dwarfing and malformation of narcissus (Soleil d'or) Scient. Agr. 10: 750-753. illus. Jl.1930. no. 11.

Newton, M., Johnson, T. & Brown, A.M.

A preliminary study on the hybridization of physiologic forms of Puccinia graminis tritici. Scient. Agr. 10: 721-731. illus. Jl. 1930. no. 11.

Scott. Geogr. Mag.

Hutchison, I. W.

Flowers and farming in Greenland. Scott. Geogr. Mag. 46: 214-230. illus. Jl. 15, 1930. no.4.

List of plants found in southern and eastern Greenland (chiefly Julianehaab district), 1927: p.220-230.

Scott. Journ. Agr. (Edinburgh)

Alcock, N. L.

Strawberry disease in Lanarkshire. Scott. Journ. Agr. 13: 242-251. 3 pl.on 2. Jl.1930. no.3.

Pt.I. by D. V. Howells, pt. II by N. L. Alcock and C. E. Foister.

Phytophora sp. Dr. Ashby considers fungus closely resembles Phytophthora cinnamomi.

O'Brien, D. G. & Prentice, E. G.

Leaf stripe or yellow leaf of oats. Scott. Journ. Agr. 13: 272-284. illus., 4 pl. on 2. Jl. 1930. no.3.

Seed World. (Chicago)

Griffiths, D.

Chincerichee-- a South African bulb - grows well in the United States. Seed World. 28(2): 20-21. illus. Jl.25,1930. no.2.

Ornithogalum lacteum.

So. African Gard. (Johannesburg)

Bolus, L.
Mesembrianthemum and allied genera. (cont.) So. African Gard. 20: 212, 214. illus. Jl. 1930. no. 7.
Conophytum marginatum, C. comptonii, n.spp.

Phillips, E. P.
A brief historical sketch of the development of botanical science in S. A. and the contribution of South Africa to botany. So. African Gard. 20: 221-222. Jl. 1930. no. 7.

Tasmanian Journ. Agr.

Oldaker, C.E.W. & Dowson, W. J.
Potatoes. Elimination of virus and other diseases -- care of "seed" from the selected plants. Tasmanian Journ. Agr. 1: 87-91. illus. My. 1, 1930. no. 3.

Turner, H. A. & Dowson, W. J.
Spraying experiments for black spot and powdery mildew. Tasmanian Journ. Agr. 1: 101-102. My.1, 1930. no. 3.

Trop. Agriculture West. Indies. (Trinidad)

West, J.
"Rhizoctonia solani" (Kühn) on cotton in Trinidad, 1929-30. Trop. Agriculture West Indies. 7: 223. Ag. 1930. no. 8.

U. S. Depart. Agr. Circ.

Leukel, R. W.
Relation of dust fungicides to flow of small grains through drills and to drill injury. U.S. Dept. Agr. Circ. 119. 9 p. Jl. 1930.

Valt. Maatalouskoet. Julkais.

Teräsvuori, A.
Ueber die bodenazidität mit besonderer berücksichtigung des elektorlytgehaltes der bodenaufschlämmungen. Valt. Maatalouskoet. Julkais. no. 29. 214 p. 1930.

Věstník Českosl. Akad. Seměd. (Praha)

Kočnar, K.
Příspěvek k technice výběrové po křížení. (Beitrag zur der technik der auslese nach der bastardierung). Věstník Českosl. Akad. Zeměd. 6: 626-628. Je. 1930. no. 6/7.
German summary: p. 628.

Věstník Českosl. Akad. Zeměd. (cont.)

Pavlov, K.

Počet, velikost průduchū a ssací síla (osmotická hodnota), jako pomůcky ke zjištěni fysiologických vlastnosti zušlechtěných soret pšenice a ovsa, se zvláštnim zřetelem k resistenci vuci suchu. (Zahl und grösse der spaltöffnungen und saugkraft (osmotiacher wert) als hilfsmittel zur ermittlung der physiologischen eigenschaften der gezüchteten weizen- und hafersorten mit besonderer berücksichtigung ihrer resistenz gegen trockenheit). Věstník Českosl. Akad. Zeměd. 6: 620-626. Je.1930. no.6/7.

German summary: p. 624-626.

Western Flor.

Milbraith, D. G.

Infectious chlorosis of the rose. Western Flor. 13(29): 29-30. Jl.17.1930.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Deffner, C.

Der anbau der esparsette im lande Thüringen. Beitrage zur kenntnis seiner grundlagen, seines rückganges und seiner natürlichen und wirtschaftlichen grenzen. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 3: 595-646. 2pl. (maps) Je.25, 1930. no. 4.

Fehér, D. & Bokor, R.

Untersuchungen über wichtige biologische eigenschaften der solonecartigen alkaliböden (Szikböden) der Hortobágyar steppe mit rüchsicht auf ihre fruchtbarmachung. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 3: 561-594. Je.25, 1930. no.4.

Schanderl, H.

Untersuchungen über die photosynthese einiger rebsorten, speziell des rieslings, unter natürlichen verhältnissen. Wiss, Arch. Landw. Abt. A. Pflanzenbau. 3: 529-560. illus. Je. 25, 1930. no.4.

Zeitschr. Bot. (Jena)

Cholnoky, B. von.

Die dauerorgane von Cladophora glomerata. Zeitschr. Bot. 22: 545-585. illus. 1930. no. 11.

Zeitschr. Pflanzenkr. (Stuttgart)

Böning, K.

Ueber eine blattdeformationskrankheit an rübe und spinat. Zeitschr. Pflanzenkr. 40: 315-323. illus. Jl.1930. no. 7.

Caused by a virus disease, similar to mosaic.

Exper. Stat. Publ.

Durrell, L. W.

Report of the botanical division. Ann. Rep. Colorado Agr. Exp. Stat. 42(1928/29): 24-30. 1929. (Recd Jl. 1930)

Sackett, W. G.

Report of the bacteriologist, 1928/29. Ann. Rep. Colorado Agr. Exp. Stat. 42(1928/29): 20-21. 1929. (Recd Jl.1930)

McCallan, S.E.A.

The solvent action of spore excretions and other agencies on protective copper fungicides. Cornell Agr. Exp. Stat. Mem. 1928: 25-79. My. 1930.

Studies on fungicides, pt.III.

McCallan, S.E.A.

Testing protective fungicides in the laboratory. Cornell Agr. Exp. Stat. Mem. 128: 8-24. illus. My.1930.

Studies on fungicides, pt.II.

Muenscher, W. C.

Lead-arsenate experiments on the germination of weed seeds. Cornell Agr. Exp. Stat. Bull. 508. 10. p. illus. Je.1930.

Whetzel, H. H. & McCallan, S.E.A.

Concepts and terminology. Cornell Agr. Exp. Stat. Mem. 182: 1-7. My. 1930.

Studies on fungicides, pt. I.

Partridge, N. L.

The fruiting habits and pruning of the Campbell early grape. Michigan Agr. Exp. Stat. Tech. Bull. 106. 48 p. illus. Je. 1930.

Potter, G. F. & Phillips, T. G.

Composition and fruit bud formation in non-bearing spurs of the Baldwin apple. New Hampshire Agr. Exp. Stat. Tech. Bull. 42. 41. p. Je. 1930.

Exper. Stat. Publ. (cont.)

Laurie, A.
Doubling of the flowers of stocks. Ohio Agr. Exp. Stat. Bi-month. Bull. 145; 122-124. Jl./Ag. 1930.

Thomas, R. C.
The canker disease of tomato. Ohio Agr. Exp. Stat. Bi-month. Bull. 145: 116-122. illus. Jl./Ag. 1930.

State Publications.

Dunn, S.
Control of common diseases of stone fruits in New Hampshire. Univ. New Hampshire Exten. Serv. Exten. Circ. 111. [4] p. illus. My.1930.

New Books.

Åkerman, Å.
Studien über den kältetod und die kälteresistenz der pflanzen nebst untersuchungen über die winterfestigkeit des weizens, von dr. A. Akerman... unter mitwirkung von magister J. Lindberg ... Lund, Berlingska boktryickeriet, 1927.

Bertin, A. J.
Les bois du Gabon. Ed.2, rev. et augm. Paris, Libraire Larose, 1929. (Mission d'études forestières envoyée dans les colonies francaises...)

Brieger, F.
Selbsterilität und kreuzungsterilität im pflanzenreich und tierreich. Berlin, J. Springer 1930.

Ernst, A.
Vererbung und bestimmung des geschlechts. Festrede des rektors prof. Dr. Alfred Ernst, gehalten an der 96. stiftungsfeier der Universität am 29 April,1929. Zürich, Art. Inst. Orell, Füssli, 1929.
Aus dem Jahresbericht der Universität Zürich 1928/29.

Hess, R. A.
Forstschutz. 5. aufl... hrsg. von Dr. W. Borgmann, v.2, Schutz gegen menschen, pflanzen, atmosphärische einflüsse und flugsand, von W. Borgmann & G. Funk. Neudamm, J. Newmann, 1930.

New Books. (cont.)

Hoehne, F. C.
A bracaatinga ou abaracaatinga. São Paulo, My. 1930.
Mimosa bracaatinga n. sp., forma paucijuga & var. aspericarpa.

Macself, A. J.
Chrysanthemums for amateurs. London, W. H. and L. Collingridge, [1930]

Melin, E.
Investigations of the significance of tree mycorrhiza... Transl. from the German by Paul W. Stickel. Ann Arbor, Mich., 1930.
Translation of his Untersuchungen über die bedeutung der baummykorrhiza.

Peattie, D. C.
Flora of the Indiana dunes, A handbook of the flowering plants and ferns of the Lake Michigan coast of Indiana and of the Calumet district. Chicago Field Museum of Natural History, 1930.

Pirotta, R., i.e. P.R.
Fisiologia vegetale. Torino, Unione tipografico-editrice Torinese, 1929 (Nuovo enciclopedía agraria Italiana, pte. 1.)

Smith, H. H.
Sisal... London, J. Bale, Sons & Danielsson, 1929.

Youngken, H. W.
A text book of pharmacognosy. 3d ed., rev. & enl. Philadelphia, Blakiston, 1930.

h.c

LIBRARY
SEP 3
U. S. Department of Agriculture

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 12, no. 17. Ag.4-16, 1930.

Agr. Gaz. N.S.W. (Sydney)

Anderson, R. H.
Farm forestry. V. The native and introduced trees of New South Wales. (cont.) Agr. Gaz. N.S.W. 41: 517-528. illus. Jl.1, 1930. no.7.

Douglass, J.
An experiment with Fusarium wilt resisting varieties. In his Early tomato trials on the coast. Agr. Gaz. N.S.W. 41: 505-506. illus. Jl.1, 1930. no. 7.

Magee, C. J.
Bacterial blight of beans. Agr. Gaz. N.S.W. 41: 529-531. illus. Jl.1, 1930. no. 7.

Shirlow, N. S.
Watermelons. A preliminary study of varieties. Agr. Gaz. N.S.W. 41: 513-516. illus. Jl.1, 1930. no. 7.

Amer. Bot. (Indianapolis, Ind.)

Clute, W. N.
The meaning of plants. XLIII. Cone-flowers and fleabanes. Amer. Bot. 36: 129-133. Jl. 1930. no.3.

Epiphytes, parasites and saprophytes. Amer. Bot. 36: 137-145. Jl.1930. no.3.

Self-pruning in plants. Amer. Bot. 36: 146-149. Jl. 1930. no. 3.

Schantz, O. M.
More epiphytic ferns. Amer. Bot. 36: 160-161. Jl. 1930. no. 3.

Tobin, K. H.
Interesting trees of Porto Rico. Amer. Bot. 36: 124-129. Jl. 1930. no.3.

Amer. Fern Journ.

Campbell, D. H.

Some reminiscenses of fern collecting. Amer. Fern Journ. 20: 60-77. pl. 3-4. Ap./Je. 1930. no.2.

Christensen, C.

The genus Cyrtomium. Amer. Fern Journ. 20: 41-52. Ap./Je. 1930. no.2.

Christensen, C.

Habitat of Dryopteris dilatata. Amer. Fern Journ. 20: 84-85. Ap./Je. 1930. no.2.

Extract from a letter.

Jayne, A.

Camptosorus as a wall fern. Amer. Fern Journ. 20: 83. Ap./Je. 1930. no.2.

C. rhizophyllus found at Benn's Church, southeast of Smithfield, Va.

Kobbé, F. W.

Woodwardia areolata in the vicinity of New York. Amer. Fern Journ. 20: 80-83. Ap./Je. 1930. no.2.

Looser, G.

The ferns of central Chile. Amer. Fern Journ. 20: 52-60. illus. Ap./Je. 1930. no.2.

Stansfield, F. W.

Variation in British ferns. Amer. Fern Journ. 20: 78-80. Ap./Je. 1930. no.2.

Stebbins, G. L.

Thelypteris fragrans (L.) Nieuwl., var. hookeriana Fernald on the Maine coast. Amer. Fern Journ. 20: 86-87. Ap./Je. 1930. no.2.

Strattan, M. S.

Two stations for Aspidium simulation in Pennsylvania. Amer. Fern Journ. 20: 84. Ap./Je. 1930. no.2.

Pocono Lake, Monroe Co.; Little Pond Bog, Pike Co.

Amer. Journ. Bot.

Boothroyd, L. E.
The morphology and anatomy of the inflorescence and flower of the Platanaceae. Amer. Journ. Bot. 17: 678-693. illus., pl. xl-xli. Jl. 1930. no.7.

Eames, A. J. & Wilson, C.L.
Crucifer carpels. Amer. Journ. Bot. 17: 638-656. illus. Jl.1930. no.7.

Harvey, R.B.
Tracing the transpiration stream with dyes. Amer. Journ. Bot. 17: 657-661. illus. Jl.1930. no.7.

Leonian, L. H.
Differential growth of Phytophthoras under the action of malachite green. Amer. Journ. Bot. 17: 671-677. Jl.1930. no. 7.

McDaniels, L. H.
A portable plant drier for tropical climates. Amer. Journ. Bot. 17: 669-670. illus. Jl.1930 no. 7.

McNair, J. B.
The taxonomic and climatic distribution of oil and starch in seeds in relation to the physical and chemical properties of both substances. Amer. Journ. Bot. 17: 662-668. Jl.1930. no. 7.

Price, W. C.
Local lesions on bean leaves inoculated with tobacco mosaic virus. Amer. Journ. Bot. 17: 694-702. illus. Jl.1930. no. 7.

Styer, J. F.
A simplified silica gel. Amer. Journ. Bot. 17: 636-637. Jl. 1930. no. 7.

Taylor, W. R.
Algae collected by the Hassler, Albatross and Schmitt expeditions, I. Amer. Journ. Bot. 17: 627-634. illus. Jl.1930. no. 7.
I. Marine algae from Brazil.

Taylor, W. R.
Note on marine algae from Sao Paulo, Brazil. Amer. Journ. Bot. 17: 635. illus. Jl.1930. no.7.

Angew. Bot. (Berlin)

Balde, H.
Vergleichende chemische und refraktometrische untersuchungen an weizenkeimlingen unter berücksichtigung der frösthärte der untersuchten sorten. Angew. Bot. 12: 177-211. My./Je. 1930. no.3.

Klinkowski, M.
Die wirkung des eosins auf das wurzelwachstum der pflanze. Angew. Bot. 12: 224-227. My./Je. 1930. no.3.

Seliber, G.
Die mutterknolle als wasserversorgendes organ der kartoffelpflanze. Angew. Bot. 12: 216-224. My./Je. 1930. no.3.

Ann. Crypt. Exot. (Paris)

Allorge, P.
Revision des travaux parus jusqu'en 1928 sur la flore cryptogramique Africaine. II. Algues d'eau douce. (cont.). Ann. Crypt. Exot. 2: 291-292. D.1929 (Rec'd Ag.1930) no.3/4.

Bouly de Lesdain, M.
Lichens du Mexique. Deuxième supplément. Lichens recueillis par le frère Amable St.Pierre. Ann. Crypt. Exot. 2: 217-254. D.1929 (Rec'd Ag.1930) no.3/4.

Magnusson, A. H.
Edvard August Vainio (1853-1929). Ann. Crypt. Exot. 3: 5-12. port. Ap.1930. (Rec'd Ag.) no.1.

Malta, N.
Viktor Ferdinand Brotherus (1849-1929). Ann. Crypt. Exot. 2: 205-216. port. D.1929 (Rec'd Ag.1930) no.3/4.

Potier de la Varde, R.
Etudes préliminaires de quelques espèces africaines du genre Fissidens. Ann. Crypt. Exot. 2: 272-290. D.1929 (Rec'd Ag.1930). no.3/4

Potier de la Varde, R.
Musci novi africani. Ann. Crypt. Exot. 3: 43-49. illus. Ap.1930 (Rec'd Ag.) no.1.

Sydow, H. & McRae, W.
Hyphomycetes Indiae orientalis. I. Ann. Crypt. Exot. 2: 262-271. D.1929 (Rec'd Ag.1930 no.3/4.

Ann. Crypt. Exot. (cont.)

Weber, A.

Sur un nouveau genre de floridés. Ann. Crypt. Exot. 2: 255-261. illus. D.1929 (Rec'd Ag.1930) no.3/4.

Periphykon (P. beckeri)

Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Chestnut

Bewley, W.F. & Corbett, W.

Mosaic disease investigation. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt. 15(1929): 51-52. 1930.

The control of cucumber and tomato mosaics by the use of clean seed.

Bewley, W.F. & Corbett, W.

Soft rot of arum. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Devel. Soc. Cheshunt 15(1929): 52-53. 1930.

Control measures.

Corbett, W.

The history of the tomato. Ann. Rept. Exp. & Res. Stat. Nursery & Mark. Gard. Devel. Soc. Cheshunt. 15(1929): 82-83. 1930.

Small, T.

Tomato leaf mould. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt. 15(1929): 43-51. 1930.

Williams, P. H

An investigation of the mico-flora of certain tomato soils. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt. 15(1929): 37-42. 1930.

Ann. Rep. Veg. Grow. Assoc. Ontario.

Berkeley, G. H.

Streak diseases of the tomato. Ann. Rep. Veg. Grow. Assoc. Ontario. 25(1929): 52-59. 1930.

Arch. de Bot. Caen. Mém.

Frémy, P. abbé.

Les myxophycées de l'Afrique équatoriale française. Arch. de Bot. Caen. Mém. v.3, no.2. 508 p. illus., fold.map. 1929(Rec'd Ag.1930)

Arch. Pharm. et Ber. Deut. Pharm. Ges. (Berlin)

Ehrenstein, M.

Ueber die neuere entwicklung der chemie und biochemie des tabaks. Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 430-443. Jl. 1930. no.6.

Arch. Protistenk. (Jena)

Conrad, W.

Flagellates nouveaux ou peu connus. I. Arch. Protistenk. 70: 657-680. illus. 1930. no.3.

Yakimoff, W. L.

Zur frage über Spirochaeta theileri in Russland. Arch. Protistenk. 70: 655-656. illus. 1930. no.3.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. (Rome)

Barbieri, N. A.

La cultura fisiologica migliora il metabolismo delle piante senza alterare il terreno. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. 3 Nat. 11: 712-717. illus. 1930. no.7.

Rivera, V.

Radiazione ed accrescimento nei vegetali (piante in sviluppo sotto schermo di piombo). Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e. Nat. 11: 718-720. 1930. no.7.

Biochem. Zeitschr. (Berlin)

Chrzaszsz, T. & Tiukow, D.

Der zusammenhang der stärkebildung mit der säurenanhäufung bei den schimmelpilzen (Penicillium) Biochem. Zeitschr. 222: 243-258. Je.28, 1930. no.4/6.

Biol. Gen. (Vienna)

Daumann, E.

Nektarien und bienenbesuch bei Opuntia monacantha Haw. Biol. Gen. 6: 353-376. illus. 1930. no.3.

Metzner, P.

Einfache einrichtungen zur fluoreszenzmikroskopie und fluoreszenzmikrophotographie. Biol. Gen. 6: 415-432. illus., pl. xxxiv-xxxvi. 1930. no.3.

Biol. Gen. (cont.)

Mühldorf, A.

Berichtigungen und ergänzungen unserer kenntnisse über die morphologie und histologie pflanzlicher spermien. Biol. Gen. 6: 457-482. pl. xxxvii. 1930. no.3.

Bol. Min. Agr. Industr. e. Comm. Brazil. (Rio de Janeiro)

Pinnheiro, E. C.

As florestas e as essencias florestaes do estado do Pará. Bol. Min. Agr. Industr. e Comm. Brazil. 1: 552-585. Ap.1930. no.4.

Bot. Mag. Tokyo.

Hida, T.

Ueber die verhältnisse zwischen fumarsaure- und alkoholgärung in den kulturen von schimmelpilzen. Bot. Mag. Tokyo. 44: 299-303. My.1930. (Rec'd Ag.) no.521.

Hiratsuka, N.

Pucciniastrum of Japan. Bot. Mag. Tokyo. 44: 261-284. My.1930.(Rec'd Ag.) no.521.

Notes on the Melampsoraceae of Japan. III.

Honda, M.

Nuntia ad floram Japonicae VI. Bot. Mag. Tokyo. 44: 316-318. Je.1930 (Rec'd Ag.) no.522.

Cacalia zigzag, Geranium kai-montanum n.spp.

Kawakami, J.

Chromosome numbers in Leguminosae. Bot. Mag. Tokyo. 44: 319-328. illus. Je.1930 (Rec'd Ag.) no.522.

Text in Japanese.

Kojima, H.

The inheritance of flower-colour in a race of Celosia cristata L., blooming in mosaic colour. Bot. Mag. Tokyo. 44: 329-351. illus. Je.1930. (Rec'd Ag.) no.522.

Japanese with English summary.

Kondo, T.

Notiz über die spaltöffnungen der Schizaea-arten. Bot. Mag. Tokyo. 44: 303-304. My.1930. (Rec'd Ag. no.521.)

In Japanese.

Bot. Mag. Tokyo. (cont.)
Masamune, G.
On new or noteworthy plants from the island of Yakusima. II. Bot. Mag. Tokyo. 44: 219-221. Ap. 1930. (Rec'd Ag.) no.520.

Ohki, K.
On the systematic importance of the spodograms of the leaves of the Bambusaceae VIII. Bot. Mag. Tokyo. 44: 351-359. illus. Je.1930 (Rec'd Ag.) no.522.
In Japanese.

Okunuki, K.
Ueber die farbstoffe der microorganismen mit besonderer berücksichtigung des pyocyanins von B. pyocyaneus. Bot. Mag. Tokyo. 44: 246-250. Ap.1930 (Rec'd Ag.) no.520.

Sakisaka, M. & Sinotô, Y.
Critical considerations on the phylogenetic system of classification of plants. I. Bot. Mag. Tokyo. 44: 285-293. illus. My.1930. (Rec'd Ag.) no.521.

Satake, Y.
On the systematic anatomy of Hakonechloa macra Makino. Bot. Mag. Tokyo. 44: 364-367. illus. Je.1930 (Rec'd Ag.) no.522.
In Japanese.

Tamiya, H. & Morita, S.
Bibliographie von Aspergillus 1729 bis 1928. XIV-XVI. Bot. Mag. Tokyo. 44: 209-218, 251-261, 305-316. Ap.-Je. 1930. no.520-522.

Tokugawa, Y. & Emoto, Y.
Ueber die samenbildung in Lycoris-arten. Bot. May. Tokyo. 44: 236-244. illus. Ap.1930. (Rec'd Ag.) no.520.
In Japanese.

Bull. Dept. Agr. Canada. (Ottawa)
Barnes, S. & Hopkins, E. S.
Soil moisture and crop production. Bull. Dept. Agr. Canada. n.s., no.130. 46 p. illus. 1 pl. 1930.

Bull. Exp. Sta. Assoc. Hawaiian Pineapple Canners.
Horner, J. M.
A study of the composition of pineapple plants at various stages of growth as influenced by different types of fertilization. Bull. Exp. Sta. Assoc. Hawaiian Pineapple Canners. no.13. 42 p. incl. 8 pl., diagrs. Jl.1930.

Bull. Jard. Bot. Buitenzorg.

Boedijn, K. B.

Die gattung Glaziella Berkeley. Bull. Jard. Bot. Buitenzorg. III, 11: 57-66. illus. Je. 1930. no.1.

Docteurs van Leeuwen, W.M.

Beitrag zur kenntnis der gipfelvegetation der in Mittel-Java gelegenen vulkane Soembing und Sindoro. Bull. Jard. Bot. Buitenzorg. III, 11: 28-56. pl.4-13. Je. 1930. no.1.

Docteurs van Leeuwen, W. M.

Microstylis kobi J. J. S. eine bulbillen-bildende orchidee. Bull. Jard. Bot. Buitenzorg. III, 11: 12-14. pl.2-3. Je.1930. no.1.

Smith, J.J.

In memoriam Dr. Th. Valeton. Bull. Jard. Bot. Buitenzorg. III, 11: 1-11. pl. 1 (port.) Je. 1930. no.1.

List of papers: p.3-11.

Smith, J.J.

Notizen aus Reichenbachs herbar. III. Bull. Jard. Bot. Buitenzorg. III, 11: 19-27. Je.1930. no.1.

Smith, J.J

On a collection of Orchidaceae from the northern Moluccas. ull. Jard. Bot. Buitenzorg. III, 11: 67-81. Je.1930. no.1.

Steenis, C.G.G.J. van.

Brugmansia or Pseudodatura? Bull. Jard. Bot. Buitenzorg. III, 11: 15-18. Je.1930. no.1.

Bull. Mens. Soc. Nat. Hort. France. (Paris)

Cuisance, P.

Resume des methodes pratiques de lutte contre les parasites animaux et vegetaux des plantes à l' usage des amateurs. Bull. Mens. Soc. Nat. Hort. France. V, 3: 272-293. Je. 1930.

Pinelle, J.

Emploi de l'ethylene pour activer la maturation des fruits et des legumes. Bull. Mens. Soc.Nat. France. V, 3: 235-237. Je.1930.

Bull. Min. Agr. Egypt. Techn. & Sci. Serv.

Fahmy, T.

The angular leaf spot of cotton in Egypt. Bull. Min. Agr. Egypt. Techn. & Sci. Serv. no.94. 5 p. 7 pl. 1930.

Simpson, N. D.

Some supplementary records to Muschler's Manual flora of Egypt. Including many species collected by Mr. G.W. Murray. Bull. Min. Agr. Techn. & Sci. Serv. no.93. 59 p. 1930.

Bull. Misc. Inform. Kew. (London)

Additions to the Index kewensis. XI. Kurz, Preliminary report on the forest and other vegetation of Pegu, Apendices, A, B, D. Bull. Misc. Inform. Kew. 1930: 265-267. no.6.

Airy-Shaw, H. K.

On the genera Moricandia and Orychophragmus. Bull. Misc. Inform. Kew. 1930: 267-269. no.6.

Fischer, C. E. C.

Plants new to Assam. II. Bull. Misc. Inform. Kew. 1930: 239-241. no.6.

Beesia calthifolia, Ilex hockeri, I. intricata var. oblata, I. odorata, Euonymus rongchuensis, Sabia parviflora, Aucuba himalaica, Vaccinium forrestii, Gentiana tenella, Orthosiphon glandulosus, Asarum cordifolium.

Hutchinson, J.

Zombiana, the supposed tropical African member of the Myoporaceae. Bull. Misc. Inform. Kew. 1930: 236-237. no.6.

Supposed Zombiana africana proves to be Rotula aquatica, "thus tropical Africa still lacks the family Myoporaceae".

Marquand, C.V.B.

A new species of Exormotheca from South Africa. Bull. Misc. Inform. Kew. 1930: 237-239. illus. no.6.

E. megastomata.

Milne-Redhead, E.

Begonia plagioneura. Bull. Misc. Inform. Kew. 1930: 269-271. no.6.

Bull. Misc. Inform. Kew. (cont.)

Smith, C. A.
Scilla lanceaefolia of the Flora capensis.
Bull. Misc. Inform. Kew. 1930: 241-252. no.6.
S. inquinata, S. climacocarpha n. spp.

Summerhayes, V. S. & Hubbard, C. E.
A supplement to the grasses of the Fiji Islands. Bull. Misc. Inform. Kew. 1930: 252-265. no.6.

White, C. T.
A new genus of Proteaceae from north Queensland.
Bull. Misc. Inform. Kew. 1930: 234-235. pl.vii. no.6.
Austromuellera, A. trinervia, n. sp.

Bull. Mus. Hist. Nat. Paris.

Benoist, R.
Nouvelles acanthacées asiatiques. Bull. Mus. Hist. Nat. Paris. II, 2: 149-150. Ja. 1930 (Rec'd Ag.) no.1.
Rungia hirpex, R. pierrei, Dicliptera mairei n. spp.

Dop, P.
Bignoniacées nouvelles de l'Indochine. Bull. Mus. Hist. Nat. Paris. II, 2:151-156. Ja.1930 (Rec'd Ag.)
Spathodeopsis, Hexaneuracarpon new genera.

Gagnepain, F.
Bulbophyllum nouveaux d'Indochine. Bull. Mus. Hist. Nat. Paris. II, 2: 143-148. Ja.1930 (Rec'd Ag.) no.1.

Guillaumin, A.
Contribution à la flore de la Nouvelle Calédonie. LV. Plantes recueilles par M. France. Bull. Mus. Hist. Nat. Paris. II, 2: 165-171. Ja.1930 (Rec'd Ag.) no.1.

Tanaka, T.
Compendium des espèces Indochinoises d'aurantiacées. Bull. Mus. Hist. Nat. Paris. II, 2: 157-164. Ja. 1930 (Rec'd Ag.) no.1.
Revisio aurantiacearum III.

Bull. Serv. Bot. Algeria. (Alger)

Piédallu, A.
Les sorghos à grains en Afrique du nord. Bull. Serv. Bot. Algeria. no.72. 41 p. illus. 1930.

Bull. Soc. Bot. France (Paris)

Chadefaud, M.

La répartition des physodes dans les cellules des phéophycées. Bull. Soc. Bot. France. 77: 15-18. My.20, 1930. no.1/2.

Chalaud, G. & Nicolas, G.

Encore la fausse dichotomie du Metzgeria furcata Dum. Bull. Soc. Bot. France. 77: 12-14. My.20, 1930. no.1/2.

Dubois, G. & Hocquette, M.

Le houx de la tourbe de Looberghe (Nord.) Bull. Soc. Bot. France. 77: 54-58. illus. My.20,1930. no.1/2.

Emberger, L.

Prunus padus L. et Dracocephalum mairei Emb. Bull. Soc. Bot. France. 77: 29-31. My.20, 1930. no.1/2.

Fouillade, A.

Sur l'origine hybride probable des formes intermédiaires entre Rosa sempervirens et Rosa arvensis croissant dans l'ouest de la France. Bull. Soc. Bot. France. 7: 19-29. My.20, 1930. no.1/2.

Friedel, J.

Filiation des papavéracées III. Suite de l'orthogenèse du fruit. Genres: Roemeria, Meconopsis, Papaver et Argemone. Conclusions et hypothèses. Bull. Soc. Bot. France. 77: 36-42. illus. My.20,1930. no.1/2.

Léandri, J.

Nouvelles thyméléacees de Madagascar. Bul. Soc. Bot. France. 77: 32-35. illus. My.20,1930. no.1/2.

Miège, E.

Modification variétale chez une orge distique. Bull. Soc. Bot. France. 77: 42-44. illus. My.20, 1930. no.1/2.

Pellegrin, F.

Anna, genre nouveau de gesnéracées d'Indo-Chine. Bull. Soc. Bot. France. 77: 45-46. My.20,1930. no.1/2.

Bull. Soc. Bot. France. (cont.)

Potier de la Varde, R.

Variations tératologiques observées chez le Fissidens curnowii Mitt. Bull. Soc. Bot. France. 77: 48-52. illus. My.20, 1930. no.1/2.

Walter, E.

"Uropixis sanguinea", urédinée américaine arrivée en France. Bull. Soc. Bot. France. 77: 53-54. My.20, 1930. no.1/2.

On Mahonia japonica.

Bull. Soc. Chim. Biol. (Paris)

Bridel, M. & Charaux, C.

Les produits d'hydrolyse de l'oroboside: glucose et orobol. Bull. Soc. Chim. Biol. 12: 765-772. Je. 1930. no.6.

Rabaté, J.

Sur l'hexacosanol, nouvel alcool de la série grasse, en C^{26} retiré de l'écorce de l'Amelanchier vulgaris Moench. Bull. Soc. Chim. Biol. 12: 758-764. Je. 1930. no.6.

Burma Forest Bull. (Bot. Ser.)

Parkinson, C. E.

A note distinguishing the three trees called mau-lettan-she (Anthocephalus cadamba Miq.), mau-kadon (Sarcocephalus cordatus Miq.), myau-kngo (Duabanga sonneratioides Ham.) Burma Forest Bull. (Bot.Ser.) no.20. 4 p. 8 pl. 1929 (Rec'd Ag.1930)

Calif. Cult. (Los Angeles)

Baade, H. J.

Diamond canker in prunes. Calif. Cult. 75: 125, 139. illus. Ag.9, 1930. no.6.

Stephenson, R. E.

Fertilizers and disease resistance. Calif. Cult. 75: 130. Ag.9, 1930. no.6.

Calif. Grow. (San Francisco)

Bonnet, L. C.

The sugar content of grapes. Calif. Grow. 2(8): 14. Ag.1930.

Canada Dept. Agr. Pamph.
Groh, H.
Grande Prairie weeds. A provisional review.
Canada Dept. Agr. Pamph. n.s. 117. 12 p.
1930.

Güssow, H. T.
Perennial apple tree canker. Canada Dept.
Agr. Pamph. n.s., 116. 7 p. illus. 1930.
Studies in fruit diseases. IV.

Canad. Journ. Res. (Ottawa)
Fryer, J. R.
Cytological studies in Medicago, Melilotus,
and Trigonella. Canad. Journ. Res. 3: 1-50.
illus. Jl.1930. no.1.

Hibbert, H. & Phillips, J. B.
Studies on lignin and related compounds. III.
Glycerol-chlorohydrin-lignin. Canad. Journ.
Res. 3: 65-69. Jl. 1930. no.1.

La Chimica. (Modena)
Buzzoni, M.
Microrganismi vegetali ed agenti chimici.
La Chimica. 6: 97-99. Mr.1930 (Rec'd Ag.) no.3.

Circ. Wild Flower Preserv. Soc.
Ricker, P. L.
Mountain laurel and its relatives. Circ.
Wild Flower Preserv. Soc. no.22. [3] p. illus.
[1930]

Citrus News Melbourne.
Cock, S. A.
Mottle leaf - foliocellosis, a malady affecting
citrus trees in some of our Victorian groves.
Citrus New Melbourne. 6(7): 17, 26. Jl.1, 1930.

Collegium. (Ober-Ramstadt)
Jakimoff, P. & Tolski, P.
Die birkenrinde als gerbmaterial. Collegium.
1930: 233-239. no.721.

Compt. Rend. Acad. Agr. France. (Paris)
Paillot, A.
Sur le traitement d'hiver des arbres fruitiers
par l'émulsion d'huile anthracénique en bouillie
bordelaise. Compt. Rend. Acad. Agr. France.
16: 780-782. Jl.2, 1930. no.22.

Compt. Rend. Acad. Sci. Paris.

Blaringhem, L.

Heredité des phases de l'ouverture des fleurs chez les pavots. Compt. Rend. Acad. Sci. Paris. 191: 117-120. Jl.21, 1930. no.3.

Chevalier, A.

Sur la mycocécidie du gynophore de l'arachide. Compt. Rend. Acad. Sci. Paris. 191: 222-224. Jl.28, 1930. no.4.

Colin, H. & Guéguen, E

La constitution du principe sucré de Rhodymenia palmata. Compt. Rend. Acad. Sci. Paris. 191: 163-164. Jl.21, 1930. no.3.

George, L.

Sur quelques particularités anatomiques des Gnetum. Compt. Rend. Acad. Sci. Paris. 191: 220-222. Jl. 28, 1930. no.4.

Girard, R. & Lenesle, R.

Particularités structurales de l'axe floral du Ramondia pyrenaica Rich. Compt. Rend. Acad. Sci. Paris. 191: 219-220. Illus. Jl.28, 1930, no.4.

Compt. Rend. Soc. Biol. Paris.

Ledoux, P.

Sur l'existence de Butyrospermum parkii (G. Don.) Kotschy au Congo belge. Compt. Rend. Soc. Biol. Paris. 104: 1063-1064. Jl. 18, 1930. no.25.

Prywer, C.

Etudes cytologiques sur la betterave cultivée. Compt. Rend. Soc. Biol. Paris. 104: 1084-1085. Jl.18, 1930. no.25.

Cytologia. (Tokyo)

Fischer, A.

Regeneration. Cytologia. (Tokyo) 1: 217-251. illus. Ap.1930. no.3.

Goodspeed, T. H. & Avery, P.

Nature and significance of structural chromosome alterations induced by x-rays and radium. Cytologia (Tokyo) 1: 308-327. illus., pl.18-21. Ap.1930. no.3.

Cytologia. (cont.)

Ishii, T.
Chromosome studies in Dianthus. Cytologia. (Tokyo) 1: 335-339. illus. Ap.1930. no.3.

Kihara, H. & Nishiyama, I.
Genomaffinitäten in tri-, tetra- und pentaploiden weizenbastarden. Cytologia (Tokyo) 1: 270-284. illus. Ap. 1930. no.3.

Kiyohara, K.
Ueber "osmiophile plättchen" Bowens in pflanzlichen zellen. Cytologia. (Tokyo) 1: 328-334. 1 pl. Ap.1930. no.3.

Kihara, H.
Genomanalyse bei Triticum und Aegilops. Cytologia. (Tokyo) 1: 263-270. illus. Ap. 1930. no.3.

Kiyono, K. & Hattori, K.
Ueber das verhalten der fettropfen bei der indirekten kernteilung der zellen in der gewebezüchtung. Cytologia. (Tokyo) 1: 85-87. pl.10. D. 1929 (Rec'd Jl.1930) no.2.

Sinotô, Y.
Chromosome studies in some dioecious plants with special reference to the allosomes. Cytologia. (Tokyo) 1: 109-191. illus. D.1929 (Rec'd Jl.1930) no.2.

Thompson, W. P. & Robertson, H. T.
Cytological irregularities in hybrids between species of wheat with the same chromosome number. Cytologia. (Tokyo) 1: 252-262. pl.15. Ap.1930. no.3.

Wada, B.
Mikrurgische untersuchungen über die entlassung der spermatozoiden von Isöetes. Cytologia. (Tokyo) 1: 285-307. illus. pl.16-17. Ap.1930. no.3.

Yasui, K.
Studies on the maternal inheritance of plastid characters in Hosta japonica Ashers. et Graebn. f. albomarginata Mak. and its derivatives. Cytologia (Tokyo) 1: 192-215. illus., pl.xiii-xiv. (1 col.) D.1929 (Rec'd Jl.1930) no.2.

Dansk Skovforen. Tidsskr. (København)
Ferdinandsen, C.
Rhabdocline pseudotsugae paavist i Danmark.
Dansk Skovforen. Tidsskr. 1930: 252-253. no.7.

Empire Market Bd. [Publ.] (London)
The production of tung oil in the Empire.
Empire Mark. Bd. [Publ.] no. 31. 20 p. 8 pl.
on 4. Je.1930.

Faserforsch. (Leipzig)
Czapla, K.
Seltene erdmetalle im dienste der pflanzenaschendiagnostik I. Faserforsch. 8: 238-254.
pl. ii-iii. Jl.25, 1930. no.4.

Tobler, F.
Zur kenntnis der anatomie von agavefasern (sisal) und ihrer verwertung für sortenunterscheidungen.
Faserforsch. 8: 255-270. illus., pl. iv-v.
Jl.25, 1930. no.4.

Flor. Exch. (N.Y.)
Arboreta and nurserymen. Flor. Exch. 74(14):
15, 33. illus. Ag.2., 1930.
The report of the A.A.N. Botanical gardens and arboretum committee at Minneapolis, Minn., Jl.14, 1930, Robert Pyle, chairman. List of institutions canvassed by the committee is given.

How hardwood and herbaceous perennial cuttings root in different media. Flor. Exch. 74(14): 25.
Ag.2, 1930.
Tables compiled by Prof. Ralph L. E. Longley of the University of Minnesota.

Flor. Rev. (Chicago)
Ruedel, F. J.
Propagation. Flor. Rev. 46(1705): 25-26.
Jl.31,1930.
Principles of various methods; making cutting; cleanliness; mediums for propagating bench; best cutting below node; removing foliage.

Fortschr. Landw. (Vienna)
Mihailovici, J.
Saugkraftmessungen an verschiedenen Brassica-arten. Fortschr. Landw. 5: 516-517. Ag. 1,
1930. no.15.

Fortschr. Landw. (cont.)
Rathsack, K. & Schünemann, K.
Zur versäuerung der rohrzuckerlösungen bei den saugkraftmessungen. Fortschr. Landw. 5: 505-507. illus. Ag.1, 1930. no.15.

Gard. Chron. (London)
Coutts, J.
Lilium nepalense. Gard. Chron. III, 88: 71. illus. Jl.26, 1930. no.2274.

Jeffers, R. H.
Leptospermum scoparium, Forst., and its varieties. Gard. Chron. III, 88: 68. Jl.26, 1930. no.2274.

Ward, F. K.
Notes on "Candelabra" primulas. Gard. Chron. III, 88: 70-71 Jl.26, 1930. no.2274.

Gard. Chron. Amer. (N.Y.)
Anderson, A. W.
Plants of the sub-Antarctic. Gard. Chron. Amer. 34: 299-301. illus. Ag.1930. no. 8.

Gartenfl. (Berlin)
Wendt, G.. v. & Anderson,A.
Stimulationsversuche mit jod. Gartenfl. 79: 181-183, 213-219. illus. Je., Jl. 1930.

Gartenz.(Wien)
Wagner, R.
Die angebliche Cuphea platycentra unserer gärten. Gartenz. 1930: 97. illus. Je.1930. no.6.

Gladiolus Rev. (Goshen, Ind.)
Christ, J. A.
Hybridizing the gladiolus. Gladiolus Rev. 7: 289-294. illus. Ag.1930. no.8.

Heil & Gewürz-Pflanzen. (Munich)
Hecht, W.
Heilkräuter im volksmunde. Heil & Gewürz-Pflanzen. 12: 161-162. Mr.1930 (Rec'd Ag.) no.4.

Kroeber, L.
Ein beitrag zur kenntnis der verteilung der saponine in der pflanze während verscheidener reifestadien. Heil & Gewürz-Pflanzen. 12: 131-137. Mr.1930 (Rec'd Ag.) no.4.

Heil & Gewürz-Pflanzen. (cont.)

Kroeber, L.
Ueber einige heimische arzneipflanzen (Bohne, sonnentau, rainfarn). Heil & Gewürz-Pflanzen. 12: 45-57. S.24, 1929 (Rec'd Ag.1930. no.2.

Lietz, J.
Beiträge zur zytologie der gattung Mentha. Heil & Gewürz-Pflanzen. 12: 73-86,113-131. illus. D.23, 1929, Mr.12,1930. n.3,4.

Lingelsheim, A.V.
Bemerkungen über orobanchen als schmarotzer auf arzneipflanzen. Heil & Gewürz-Pflanzen. 12: 91-94. D.23, 1929 (Rec'd Ag.1930). no. 3.

Muszynski, J.
Mehltaukrankheit auf Rhammus purshiana DC. in Polen. Heil & Gewürz-Pflanzen. 12: 95-96. illus. D.23,1929 (Rec'd Ag.1930). no.3.

Schmolke, A.
Die mikroskopische prüfung der Digitalis und ihre verfälschungen. Heil & Gewürz-Pflanzen. 12: 142-145. illus. Mr.1930 (Rec'd Ag.) no.4.

Helvetica Chim. Acta (Basel)

Karrer, P. & Golde, T.
Pflanzenfarbstoffe. XXI. Ueberführung von crocetin in crocetan. Helvetica Chim. Acta. 13: 707-709. 1930. no.4.

Pfarrer, P. & Ishikawa, S.
Pflanzenfarbstoffe.XXII. Ester des xanthophylls. Helvetica Chim. Acta. 13: 709-713. 1930. no.4.

Hereditas. (Lund)

Clausen, J.
Male sterility in Viola orphanidis. Hereditas. 14: 53-72. illus. 1930. no.1.

Hakansson, A.
Zur zytologie trisomischer mutanten aus Oenothera lamarckiana. Hereditas. 14: 1-32. illus. 1930. no. 1.

Hereditas. (cont.)

Hammarlund, C. & Hakansson, A.

Parallelism of chromosome ring formation, sterility and linkage in Pisum. Hereditas. 14: 97-98. 1930. no.1.

Heribert-Nilsson, N.

Sind die mutierende reinen linien auch rein? Hereditas. 14: 33-49. 1930. no.1.

Indian For. (Dehra Dun)

Parker, R. N.

An Albizzia hybrid - A. gamblei, Prain. Indian For. 56: 297-298. Jl.1930. no.7.

Indische Cult. (Soerbaja)

Kamerling, Z.

Bekende en merkwaardige Indische planten in woord en beeld. IV. Lianen. Indische Cult. 15: 540-542, 544-545, incl.2 pl. Jl.1, 1930. no.15.

Industr. & Engin. Chem. (Easton, Pa.)

Karnes, G. M.

Effectiveness of iodine in the control of smut on oats. Industr. & Engin. Chem. 22: 864. Ag.1930. no.8.

Journ. Agr. Res. (Washington, D. C.)

Stevenson, F. L.

Genetic characters in relation to chromosome numbers in a wheat species cross. Journ. Agr. Res. 41: 161-179. illus., 1 pl. Jl.15, 1930, no.2.

Journ. Amer. Chem. Soc.

Gnadinger, C. B. & Corl, C. S.

Studies on pyrethrum flowers. IV. The relative toxicity of pyrethrins I and II. Journ. Amer. Chem. Soc. 52:3300-3307. Ag.1930. no.8.

Journ. Biol. Chem. (Baltimore)

Jones, D. B.

The prolamins of dwarf yellow milo and feterita, two horticultural varieties of Holcus sorghum. Journ. Biol. Chem. 88: 305-309. Ag. 1930. no.1.

Journn. Indian Inst. Sci. (Madras)
Sreenivasaya, M.
Contributions to the study of spike-disease of sandal (Santalum album, Linn.) XI. New methods of disease transmission and their significance. Journ. Indian Inst. Sci. 13A: 113-117. 1 pl. 1930.

Kosmos. (Stuttgart)
Bier, D.
Pilzvergiftungen. Kosmos. 27: 283-285. illus. Ag.1930. no.8.

Schnegg, H.
Speilepilze und ihre giftigen doppelgänger. Kosmos. 27: 276-283. 4 col.pl. on 2. Ag.1930. no.8.

Kranke Pflanze. (Dresden)
Kaven, G.
Obstbäume und windschaden. Kranke Pflanze. 7: 86-88. Jl. 1930. no.7.

Laubert, R.
Stachelbeerrost und johnnisbeerrost. Kranke Pflanze. 7: 85-86. Jl.1930. no.7.

Leafl. Dept. Agr. Irish Free State. (Dublin)
Diseases and pests of vegetable crops. Leafl. Dept. Agr. Irish Free State. no.101. 14 p. Ap.1930.

Maine Naturalist. (Augusta, Me.)
Pitman, E. M.
Mushrooms of Winthrop, and of South Portland, contrasted. Maine Naturalist. 10: 23-28. Ap.1930. no.1.

Manitoba Dept. Agr. & Immigr. Circ.
Batho, G.
How to kill couch grass. Manitoba Dept. Agr. & Immigr. Circ.98. [7] p. illus. My.1930.

Mém. Soc.Linn. Normandie.
Pellegrin, F.
La flore du Mayombe d'après les récoltes de M. Georges Le Testu. II. Mém. Soc. Linn. Normandie n.s. Sect.Bot. v.1, fasc. 3. 83 p. 6 pl., fold. map. D.5, 1928 (Rec'd Jl.1930).

Mem. Tottori Agr. Coll. Japan.
Hiratsuka, N.
Erster beitrag zur uredineen-flora von Südsachalin. Mem. Tottori Agr. Coll. Japan. 1: 63-98. Je.1930. no.2.

Mem. y Rev. Soc. Sci. Antonio Alzate (Mexico)
Reko, B. P.
Alcaloides y glucosides en plantas mexicanas. Mem. y Rev. Soc. Sci. Antonio Alzate. 49: 379-420. 1928 (Rec'd Ag.1930) no.7/12.

Möller's Deut. Gärtn. -Zeit. (Erfurt)
Garbari, C.
Wie ich zur Cymbidimzucht kam. (cont.) Möller's Deut. Gärtn.-Zeit. 45: 242-243. illus. Jl.21,1930. no.21.
Orchideen-anzucht aus samen mit hilfe von wurzelpilz.

Kaltenbach, E.
Calotropis gigantea. Tropische ziergehölze als alleebáume. VI. Möller's Deut. Gärtn.-Zeit. 45: 246. Jl.21, 1930. no.21.

Naturwissensch. (Berlin)
Gradmann, H.
Die harmonische lebenseinheit vom standpunkt exakter naturwissenschaft. (concl.) Naturwissensch. 18: 662-666. illus. Jl.18,1930. no.29.

Obst-u. Gemüseb. (Berlin)
Buchinger, A.
Wie kann vom praktischen gärtner eine selektion nach der saugkraft durchgeführt werden? Obst-u. Gemüseb. 76: 108-110. J.23, 1930. no.7.

Onze Ploeg Landb. Tijdschr. (Leuven)
Jennes, J.
Schurftziekte van appel en peer. Onze Ploeg Landb. Tijdschr. 9: 214-224. illus. Jl. 1930. no.7.

Pflanzenbau. (Berlin)
Fuchs, W.
Weiteres zur bestimmung der kälteresistenz des winterweizens durch indirekte methoden. Pflanzenbau. 3: 692-722. Jl.23, 1930. no.5.

Pflanzenbau. (cont.)

Rademacher, B.

Reizphysiologische beobachtungen an dem rübennematoden Heterodera schachtii Schmidt. Pflanzenbau. 3: 750-787. Jl.23, 1930. no.5.

Philipp. Agr. (Los Baños)

Mendiola, V. B.

The Fusarium disease of corn. Philipp. Agr. 19: 79-106. illus., ii pl. Jl. 1930. no.2.

Philipp. Journ. Sci. (Manila)

Copeland, H. F.

Philippine Ericaceae II. The species of Vaccinium, Philipp. Hourn. Sci. 42: 537-607. 7 pl. Ag.1930. no.4.

Phil. Trans. Roy. Soc. London.

Cook, W.R.I. & Schwartz, E. J.

The life-history, cytology and method of infection of Plasmodiophora brassicae Woron., the cause of finger-and-toe disease of cabbage and other crucifers. Phil. Trans. Roy. Soc. London. Ser. B. 218: 283-314. illus., pl. 19-21. 1930.

Planta Arch.Wiss. Bot. (Berlin)

Brandscheidt. P.

Zur physiologie der pollenkeimung under ihrer experimentellen beeinflussung. Planta Arch. Wiss. Bot. 11: 368-453. illus. Jl.9, 1930. no.2.

Griessmeyer, H.

Ueber experimentelle beeinflussung des eisens im chloroplasten. Planta Arch. Wiss. Bot. 11: 331-358. Jl. 9, 1930. no.2.

Ikeno, S.

Studien über einen eigentümlichen fall der infektiösen buntblatterigkeit bei Capsicum annuum. Planta Arch. W iss. Bot. 11: 359-367. illus. Jl.9, 1930. no.2.

Hardon, R.

Ueber die assimilation der kohlensäure bei konstanten aussenbedingungen I- Planta Arch. Wiss. Bot. 11: 263-293. Jl.9,1930. no.2.

Experiments with Fontinalis antipyretica & Cladophora.

Mayer, H.

Untersuchungen über die chlorophyllase. Planta Arch. Wiss. Bot. 11: 294-330. Jl. 9, 1930. no. 2.

Planta Arch. Wis. Bot. (cont.)

Schaede, R.
Zentrifugalversuche mit kernteilungen. Planta Arch. Wiss. Bot. 11: 243-262. illus. Jl.9, 1930. no. 2.
Experiments with Allium cepa.

Steinhoff, E.
Ueber den einfluss von salzen auf den stärkeabbau in blättern einiger land- und wasserpflanzen. Planta Arch.Wiss. Bott. 11: 207-242. Jl. 9, 1930. no. 2.

Prakt. Blätt. Pflanzenb. ü. Pflanzensch. (Freising)

Flachs, K. & Kronberger, M.
Zum kohlhernieproblem. (concl.) Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 106-115. illus. Ag. 1930. no.5.

Weigand,
Die braunspitzigkeit des hopfens. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 30: 102-105. illus. Ag. 1930. no.5.

Proc. Amer. Soc. Hort. Sci.

Binkley, A. M.
Transmission studies with the new psyllid-yellows disease of solanaceous plants (A preliminary report). Proc. Amer. Soc. Hort. Sci. 26(1929): 248-254. 1930.

Brierley, W. G
Cambial activity in the red raspberry cane in the secon the second season. Proc. Amer. Soc. Hort. Sci. 26 (1929): 278-280. 1930.

Burk, E. F.
The role of pistil length in the development of forcing tomatoes. Proc. Amer. Soc. Hort. Sci. 26 (1929): 239-240. 1930.

Darrow, G. M.
Effect of light, temperature, and transpiration on elongation of canes in raspberry and other brambles. Proc. Amer. Soc. Hort. Sci. 26.(1929): 308-311. 1930

Proc. Amer. Soc. Hort. Sci. (cont.)

Degman, E. S.
Firmness and keeping quality of fruits as affected by nitrogen fertilizers. Proc. Amer. Soc. Hort. Sci. 26(1929): 182-186. 1930.

Dorsey, M. J.
The relation between embryo-sac development and the set of fruit in the apple. Proc. Amer. Soc. Hort. Sci. 26(1929): 56-61. 1930.

Erwin, A. T.
A systematic study of the peppers (Capsicum frutescens L.) Proc. Amer. Soc. Hort. Sci. 26(1929): 128-131. 1930.

Fletcher, L. A.
A preliminary study of the factors affecting the red color on apples. Proc. Amer. Soc. Hort. Sci. 26(1929): 191-196. 1930.

Gourley, J.H. & Hopkins, E. F.
Some relations of nitrogen to keeping quality of fruit. Proc. Amer. Soc. Hort. Sci. 26(1929): 167-173. 1930.

Harding, P. L.
Respiration studies of Grimes apples and various controlled temperatures. Proc. Amer. Soc. Hort. Sci. 26(1929): 319-324. 1930.

Harris, G. H.
The influence of top on root as determined by root respirations of young fruit trees. Proc. Amer. Soc. Hort. Sci. 26(1929): 329-334. illus. 1930.

Harvey, R. B.
Effect of ethylene on the growth of celery. Proc. Amer. Soc. Hort. Sci. 26(1929): 141-142. pl. 1930.

Heinicke, A. J.
A method for studying the relative rates of transpiration of apple leaves and fruits. Proc. Amer. Soc. Hort. Sci. 26(1929): 312-314. pl. 1930.

Proc. Amer. Soc. Hort. Sci. (cont.)

Howlett, F. S.
Further experiments on the relative self-fruitfulness of apple varieties. Proc. Amer. Soc. Hort. Sci. 26(1929): 49-55. 1930.

Knowlton, H. E.
Some recent results in sterility studies. Proc. Amer. Soc. Hort. Sci. 26(1929): 62-64. 1930.

Lantz, H. L.
Pear breeding: an inheritance study of Pyrus communis x P. ussuriensis hybrid fruits. Proc. Amer. Soc. Hort. Sci. 26(1929): 13-19. 1930.

Latimer, L. P.
The relation of cultural practices to a marked outbreak of cork in McIntosh apples in northern New England. Proc. Amer. Soc. Hort. Sci. 26(1929): 149-150. pl. 1930.

MacDaniels, L.H. & Burrell, A.B.
Pollination studies with the MacIntosh apple in the Champlain Valley fruit district. Proc. Amer. Soc. Hort. Sci. 26(1929): 65-73. 1930.

MacGillivray, J.H.
Studies of tomato quality V. Clearing is not essential in determining reducing sugar of ripe tomato fruit extract. Proc. Amer. Soc. Hort. Sci. 26(1929): 137. 1930.

Magness, J.R. & Overley, F.L.
Effect of fertilizers on storage qualities of apples. Proc. Amer. Soc. Hort. Sci. 26(1929): 180-181. 1930.

Magness, J. R. & Overley, F.L.
Relation of leaf area to size and quality of apples and pears. Proc. Amer. Soc. Hort. Sci. 26(1929): 160-162. 1930.

Murneek, A. E.
The use of bees in apple sterility studies. Proc. Amer. Soc. Hort. Sci. 26(1929): 39-42. 1930.

Proc. Amer. Soc. Hort. Sci. (cont.)

Pearson, O. H.
Observations on the type of sterility on Brassica oleracea var. capitata. Proc. Amer. Soc. Hort. Sci. 26(1929): 34-38. 1930.

Plagge, H. H.
A study of soggy breakdown and some related functional diseases of the apple. Proc. Amer. Soc. Hort. Sci. 26(1929): 315-318. 1930.

Rasmussen, E. J.
The period of blossom bud differentiation in the Baldwin and McIntosh apples. Proc. Amer. Soc. Hort. Sci. 26(1929): 255-260. illus., pl. 1930.

Sax, K.
Chromosome counts in Vitis and related genera. Proc. Amer. Soc. Hort. Sci. 26(1929): 32-33. 1930.

Swingle, C. F.
Notes on root stocks for Prunus tomentosa. Proc. Amer. Soc. Hort. Sci. 26(1929): 77-79. 1930.

Swingle, C. F.
Some factors influencing the growth of apple seedlings. Proc. Amer. Soc. Hort. Sci. 26(1929): 74-76. 1930.

Talbert, T. J.
Suggestions from spraying investigations. Proc. Amer. Soc. Hort. Sci. 26(1929): 297-299. 1930.

Tufts, W. P.
Nematode resistance of certain peach seedlings. Proc. Amer. Soc. Hort. Sci. 26(1929): 98-100. 1930.

Tufts, W. P.
Seasonal temperatures and fruit ripening: a preliminary report. Proc. Amer. Soc. Hort. Sci. 26(1929): 163-166. 1930.
Apricots.

Weinberger, J. H.
The effect of various potash fertilizers on the firmness and keeping quality of fruits. Proc. Amer. Soc. Hort. Sci. 26(1929): 174-179. 1930.

Proc. Amer. Soc. Hort. Sci. (cont.)
Wentworth, S. W.
Further evidence of the variability of apple pollen as determined by the spur-unit method. Proc. Amer. Soc. Hort. Sci. 26(1929): 43-48. 1930.

Wilson, B. H.
The relation of hardiness and maturity in the apple. Proc. Amer. Soc. Hort. Sci. 26(1929): 199-202. 1930.

Proc. Imp. Acad. Tokyo.
Oishi, S.
On the cuticles of some fossil ginkgoacean leaves. Proc. Imp. Acad. Tokyo. 6: 109-111. Mr.1930. (Rec'd Ag.) no.3.

Program Rev. Indiana State Veg. Grow. Assoc.
Gardner, M.W., Samson, R. W. & Cochran, L. C.
Dusting tests for the control of tomato diseases. Program Rev. Indiana State Veg. Grow. Assoc. 2: 11-25. [1929]

Progr. Agr. & Vitic. (Montpellier)
Ravaz, L.
Sur le court-noue. (cont.) Progr. Agr. & Vitic. 94: 105-111. incl. 2 pl. Ag.3, 1930. no.31.

Protoplasma. (Leipzig)
Czurda, V.
Ein objekt für die dauerbeobachtung der vorgänge in der lebenden grünen pflanzenzelle. Protoplasma. 10: 356-362. illus. Jl.1930. no.3.

Genevois, L.
Les échanges d'ions dans les tissus végétaux d'après les travaux de H. Devaux. Protoplasma. 10: 478-502. Jl.1930. no.3.

Gicklhorn, J.
Zur frage der lebendbeobachtung und vitalfärbung von chromosomen pflanzlicher zellen. Protoplasma. 10: 345-355. Jl.1930. no.3.

Protoplasma. (cont.)

Iljin, W. S.
Die ursachen der resistenz von pflanzzellen gegen austrocknen. Protoplasma. 10: 379-414. illus. Jl.1930. no.3.

Milovidov, P. F.
Einfluss der zentrifugierung auf das vakuom. Protoplasma. 10: 452-470. illus. Jl.1930. no.3.
Ein beitrag zur kenntnis der physikalischen eigenschaften der pflanzenvakuolen.

Scheitterer, H. & Weber, F.
Hypotonie-tod von pflanzenzellen. Protoplasma. 10: 474-477. Jl. 1930. no.3.

Schwarz, W.
Ueber die ursachen und das zustandekommen der panaschierung bei einer form der Selaginella martensii Spring. fol.var. Protoplasma. 10: 427-451. illus. Jl. 1930. no.3.

Strugger, S.
Beitrag zur kolloidchemie des pflanzlichen ruhekernes. Protoplasma. 10: 363-378. illus. Jl. 1930. no.3.

Repert. Spec. Nov. Fedde. (Berlin)

Becherer, A.
Nomenklatorische notizen. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 53-59. Je.30, 1930.

Bornmüller, J.
Kritische bemerkungen über einige orientalische arten der gattung Johrenia nebst beschreibung zweier neuer typen. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 33-53. Je.30, 1930.
J. thessala, J. polyscias.

Bornmüller, J.
Pyrethrum germanicopolitanum spec. nov. nebst bemerkungen über Achillea cappadocica und Achillea tereticaulis Hausskn. Repert. Spec. Nov. Fedde, 28(Repert. Europ. et Med. 3, 8/10): 70-77. Je.30, 1930. no.1/5.

Repert. Spec. Nov. Fedde. (cont.)

Brand, A.
Die amerikanische arten der gattung Lithospermum. Repert. Spec. Nov. Fedde. 28: 10-17. Je.30, 1930. no.1/5.

Feinbrun, N.
Beitrage zur kenntnis der variabilität von Aegilops ventricosa Tausch. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 65-66. Je.30, 1930. no.1/5.

Krause, K.
Beiträge zur flora Kleinasiens V. Die in der Türkei vorkommenden bäume und sträucher. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3,8/10): 77-80. Je.30,1930. no.1/5.

Knuth, R.
Geraniaceae novae decas 3 et 4. Repert. Spec. Nov. Fedde. 28: 1-10. Je.30,1930. no.1/5.

Lyka, K.
Schlüssel zur bestimmung der in Schleswig-Holstein und angrenzenden gebieten wachsenden formen der gattung Thymus. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 59-62. Je.30, 1930. no.1/5.

Pfeiffer, H.
Decas cyperacearum criticarum vel emendatarum II. Repert. Spec. Nov. Fedde. 28: 17-24. Je.30, 1930. no.1/5.

Pfeiffer, H.
Ergänzende bemerkungen zur nomenklaturfrage; "Bulbostylis" oder "Stenophyllus"? Report. Spec. Nov. Fedde. 28: 25-26. Je.30, 1930. no.1/5.

Poellnitz, K.v.
Zur kenntnis der gattung Anacampseros L. III. Repert. Spec. Nov. Fedde. 28: 27-32. Je. 30,1930. no.1/5.

Ronninger, K.
Zwei neue pflanzenformen aus Südeuropa. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 67-79. Je.30, 1930. no.1/5.

Thymus willkommii, sp.n., Galium schultesii v. trichanthum, G. karduchorum (G.kurdicum)

Repert. Spec. Nov. Fedde. (cont.)

Schinz, H.

Ballota nigra L. ssp. nigra L. (Briq.) var. decemdentata Schinz nov.var. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 69-70. Je.30, 1930. no.1/5.

Sirjaev, G.

Trifolium munbyi Šir. nomen novum. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 62-63. Je.30,1930. no.1/5.

Zohary, M.

Ueber Origanum dayi Post und Satureia camphorata. Repert. Spec. Nov. Fedde. 28(Repert. Europ. et Med. 3, 8/10): 63-64. Je.30, 1930. no.1/5.

S. camphorata identical with O. dayi.

Rev. Agr. Puerto Rico. (San Juan)

Cook, M. T.

La situación actuel en enfermedades de la caña de azúcar en Puerto Rico. Rev. Agr. Puerto Rico. 24(i.e.23): 227-231. Je.1930. no.12.

Richardson, P.

Un poco de historia sobre variedades de caña en Puerto Rico. Rev. Agr. Puerto Rico. 24(i.e. 23): 248-254. Je.1930. no.12.

Rev. Algol. (Paris)

Allorge, P.

Hétérocontes ou xanthophycées? Rev. Algol. 5: 230. Je.25, 1930. no.2.

Proposes Xanthophyceae instead of Heterocontae because of the xanthophyll pigment characteristic of this group.

Bharadwaja, Y.

Scytonema malaviyaensis, sp.nov. Rev. Algol. 5: 223-227. pl.14. Je.25, 1930. no.2.

Fremy, P.

Les stigonémacées de la France. Rev. Algol. 5: 147-213. illus. pl.4-12. Je.25, 1930. no.2.

Drew, K. M.

The occurrence of heterocysts and spores at both ends of the filament in the genus Cylindrospermum.Kütz Rev. Algol. 5: 143-145. illus., pl.3. Je.25,1930.no.2.

Rev. Algol. (cont.)

Heimans, J.
Le genre Cosmocladium Bréb. Rev. Algol. 5: 215-221. pl.13. Je.25, 1930. no.2.

Lami, R.
Un essai de propagation de Fucus lutarius dans la Rance. Rev. Algol. 5: 230-231. Je. 25, 1930. no.2.

Yamada, Y.
Une nouvelle espèce d'Udotea du Pacifique: Udotea geppii sp.nov. Rev. Algol. 5: 139-142. illus. Je.25, 1930. no.2.

Rev. Gén. Hort. & Cult. Fruit. (Paris)

Marchal, E.
Le facteur métérologique dans l'évolution des maladies cryptogamiques. Rev. Gén. Hort. & Cult. Fruit. 8: 1402-1404. Jl. 1930. no.86.

Rev. Hort. (Paris)

Enfer, V.
Sur la chlorose du poirier. Rev. Hort. 102: 156-157. Jl.16, 1930. no.7.

Guillaumin, A.
Les cactees, principales espèces. (cont.) Rev. Hort. 102: 168-170. illus. Jl.16, 1930. no. 7.
Opuntia.

Rev. Hort. Tunisie (Tunis)

Launay, L.
Les oeillets et leur historique. Rev. Hort. Tunisie. 28: 119-123. illus. Jl.15, 1930. no.264.

Science. (Lancaster, Pa.)

East, E. M.
The production of homozygotes through induced parthenogenesis. Science. 72: 148-149. Ag.8, 1930. no. 1858.
In Fragaria.

Gifford, J. C.
Curiosities of scientific names. Science. 72: 116-117. Ag.1, 1930. no.1857.

Science. (cont.)

May, C.

Dutch elm disease in Ohio. Science. 72: 142-143. Ag.8, 1930. no.1858.

Orton, C. R.

Black walnut canker. Science. 72: 142. Ag.8, 1930. no.1858.

Wieland, G. R.

Conifer inflorescence. Science. 72: 113-114. Ag.1, 1930. no.1857.

Sci. Rep. Tohoku Imp. Univ. 4. Ser. (Biol.) (Sendai)

Ono, T.

Chromosomenmorphologie von Rumex acetosa. Sci. Rep. Tohoku Imp. Univ. 4. Ser. (Biol.) 5: 415-422. illus. Je.1930. no.2.

Scient. Agr. (Ottawa)

Newton, M., Johnson, T. & Brown, A.M.

A study of the inheritance of spore colour and pathogenicity in crosses between physiologic forms of Puccinia graminis tritici. Scient. Agr. 10: 775-798. illus. Ag.1930. no.12.

Spec. Rep. Dept. Sci. & Industr. Res. Gt. Brit. Food. Invest. (London)

Barker, J.

The prevention of wastage in New Zealand apples. Spec. Rep. Dept. Sci. & Industr. Res. Gt. Brit. Food Invest. no.39. 26p. 1930.

Succulenta. (Leeuwarden)

Houten, J.M. van den.

Aloe's II. Succulenta. 12: 172-174. illus. Ag. 1930. no.8.

Karsten, M.

Succulenten onder zuidelijken hemel. Succulenta 12: 165-177. illus. Ag.1930. no.8.
I. Hortus mortolensis.

Thar. Forstl. Jahrb. (Berlin)

Heske, F.

Der tropische monsunwald des Westhimalaya und seine wirtschaftliche bedeutung. Thar. Forstl. Jahrb. 81: 389-419. illus. 1930. no. 7.

Tijdschr. Plantenz. (Amsterdam)

Bruyn Ouboter, M. P. de.

Tylenchus devastatrix Kühn uit narcis en hyacinth. Tijdschr. Plantenz. 36: 125-165. illus., iv tab., 2 diagrs. 1930. no.7.

Poeteren, N. van.

De bladvalziekte der bessenstruiken. Tijdschr. Plantenz. 36: 121-123. Jl./Ag. 1930. no.7/8.

Trans. Amer. Micros. Soc. (Urbana, Ill.)

Eddy, S.

The plankton of Reelfoot Lake, Tennessee. Trans. Amer. Micros. Soc. 49: 246-251. Jl.1930. no.3.

Stevens, F. L. & Ragle, M. E.

The reaction between various races of Sclerotium and other fungi. Trans. Amer. Micros. Soc. 49: 264-268. illus. Jl.1930. no.3.

Trans. Nat. Hist. Soc. Formosa.

Kudô, Y.

On the systematic position of evergreen oaks of Japan. Trans. Nat. Hist. Soc. Formosa, 20: 159-163. Je.1930. no.108.

Japanese with Latin diagnosis (Kuromatea gen.nov.)

Sasaki, S.

Miscellaneous contributions to the flora of Formosa. VII. Trans. Nat. Hist. Soc. Formosa. 20: 163-170. pl. iii. Je.1930. no.108.

Trop. Agr. (Ceylon) (Peradeniya)

Foiter, C. E.

The relation of weather to plant diseases. Trop. Agr. (Ceylon) 74: 353-378. Je.1930. no.6.

Paper read before Agr. Sect. Confr. Empire meteorologists, 1929.

Lewis, F.

Infertility in imported plants. Trop. Agr. (Ceylon) 74: 331-335. Je.1930. no.6.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-Breed.) (Leningrad)

Gabaev, S. G.

... Cucumbers from Asia. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed). 23(3): 443-473. illus. 1930.

Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-Breed.) (cont.)

Kobiakova, J. A.
... The bottle gourd, Lagenaria vulgaris Sér. -- a relict crop. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 475-520. illus. 1930.
Russian with English summary.

Kovalevsky, G.
... The history of cultivation of watermelon and melon in European USSR. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 329-341. 1930.
Russian with English summary.

Kozhukhoz, Z. A.
... Karyological investigations of the genus Cucumis. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 357-366. illus. 1930.
Russian with English summary.

Kudriavtseva, M. A.
... Study of the sugar content of the world's assortment of melons and watermelons. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 367-395. 1930.
Russian with English summary.

Pangalo, K. I.
... Cantaloupe melons and their history. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 209-228. illus. 1930.
Russian with English summary.

Pangalo, K. I.
... Chinese melons. Trudy Prikl. Bot., Gen. & Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 545-560. illus. 1930.
Russian with English summary.

Pangalo, K. I.
... Critical survey of the principal literature on the systematics, geography and origin of cultivated and partly wild growing melons. Trudy Prikl. Bot. Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 397-442. illus. 1930.
Russian (The English summary gives hardly more than the title)

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl.Bot. Gen. & Plant.-Breed.) (cont.)

Pangalo, K. I.
... A new species of cultivated pumpkin. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 253-265. illus. 1930.
Cucurbita mixta from Mexico and Guatemala.

Pangalo, K. I.
... Varieties of Russian melons. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 18-40. illus. 1930.
Russian with English summary.
"Astonishing diversity and very poor flavour".

Pangalo, K. I.
... Watermelons of the northern hemisphere. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 41-84. illus., fold. tab. 1930.
Russian with English summary.

Pangalo, K. I.
... Wild melons. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. i Plant-breed.) 23(3): 229-252. illus. 1930.
Russian with English summary.

Sofronov, M. E.
... On the biology of pollination and fertilization of Cucurbita pepo.L. Trudy Prikl. Bot., Gen. i. Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 23(3): 321-328. 1930.
Russian with English summary.

Zhiteneva, N. E.
... Survey of the principal literature on the systematics of pumpkins and squashes. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed) 23(3): 343-356. illus. 1930.
Russian (English summary amplifies title)

Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen & Plant-breed.) (cont.)

Zhiteneva, N. E.

... The world's assortment of pumpkins. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot., Gen. & Plant-breed.) 23(3): 157-207. illus. 1930.

Russian with English summary.

Znamensky, V. D.

... The influence of salts on the development and sugar content of watermelons. Trudy Prikl. Bot., Gen. i Selek. (Bull. Appl. Bot. Gen. & Plant-breed.) 23(3): 297-319; illus. 1930.

Russian with English summary.

Pot experiments.

Die Umschau.

Die pflanze braucht anorganische reizstoffe. Die Umschau. 34: 579-580. Jl.19, 1930. no.29.

U. S. Dept. Agr. Plant Dis. Rep.

Armstrong, G.

Field survey of tobacco diseases in South Carolina. U.S. Dept. Agr. Plant Dis. Rep. 14: 150-151. Ag.1, 1930. no.15.

Armstrong, G. M.

Seed bed survey for tobacco diseases in South Carolina. U.S. Dept. Agr. Plant Dis. Sur. 14: 151-152. Ag.1, 1930. no.15.

Clara, F. M.

Disease survey of tobacco seed beds in Onondaga County, New York. U.S. Dept. Agr. Plant Dis. Rep. 14: 120-121. Jl.15, 1930. no.14.

Fenner, L. M.

Bacterial canker of tomato. A survey in Copiah, Hinds and Rankin counties, Mississippi, May 6 to June 10, 1930. U.S. Dept. Agr. Plant Dis. Rep. 14: 134-140. map. Ag.1, 1930. no.15.

Garner, W. W.

An outbreak of sore shin in tobacco in eastern North Carolina. U.S. Dept. Agr. Plant Dis. Rep. 14: 150. Ag.1, 1930. no.15.

Sclerotium rolfsii.

U.S. Dept. Agr. Plant Dis. Rep. (cont.)

Godkin, J.

Tobacco plant bed survey in Virginia. U.S. Dept. Agr. Plant Dis. Rep. 14: 121. Jl.15, 1930. no.14.

Jones, F. R.

Bacterial wilt of alfalfa in Turkestan. U.S. Dept. Agr. Plant Dis. Rep. 14: 125. Jl.15, 1930. no.14.

Phony disease of peach. U.S. Dept. Agr. Plant Dis. Rep. 14: 148-149. Ag.1,1930. no.15.

Sherbakoff, C. D.

Report on tobacco plant bed conditions in Tennessee. U.S. Dept. Agr. Plant Dis. Rep. 14: 121. Jl.15, 1930. no.14.

U.S. Geol. Surv. Prof. Paper.

Knowlton, F. H.

The flora of the Denver and associated formations of Colorado. U.S. Geol. Surv. Prof. Paper 155. 142p. 59 pl. 1930.

Vict. Nat. (Melbourne)

Williamson, H. B.

Some plants of the northern Mallee, IV. Vict. Nat. 47: 51-54. Jl. 1930. no.3.

Stipa scelerata, Frankenia.

Washington Hist. Quart. (Seattle)

Brackenridge, W. D.

The Brackenridge journal for Oregon territory. Introduction and notes by O.B. Sperlin. Washington Hist. Quart. 21: 220-229. Jl.1930. no.3.

Preceded by biographical notes on W. D. Brackenridge with title: Our first official horticulturalist: p.218-220.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Laibach, F.

Entwicklungsphysiologische unterschiede zwischen land- und kurz-griffeln bei einer heterostylen pflanze (Linum austriacum L.) Zeitschr. Indukt. Abstamm. u. Vererbungsl. 55: 155-182. 1930. no.3.

Zeitschr. Vergl. Phys. (Zeitschr. Wiss. Biol. abt.C)

Beutler, R.

Biologisch-chemische untersuchungen am nektar von immenblumen. Zeitschr. Vergl. Phys. (Zeitschr. Wiss. Biol. abt.C) 12: 72-176. illus. Jl.17, 1930. no.1.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)

Bleier, H.

Experimentell-cytologische untersuchungen. I. Einfluss abnormaler temperatur auf die reduktionsteilung. Zeitschr. Zellforsch. & Mikrosk. Anat. 11: 218-236. illus. Jl.7,1930. no.1.

Der Zuchter. (Berlin)

Hertzsch, W.

Infektiöse chlorosen. Der Zuchter. 2: 195-199. illus. Jl. 1930. no. 7.

Wettstein-Westersheim, W. v.

Die züchtung von pappeln (Populus). Der Züchter. 2: 219-220. illus. Jl. 1930. no.7.

Exper. Stat. Publ.

Brown, J. G.

Timber-rot in the pepper tree, Schinus molle, Arizona Agr. Exp. Stat. Bull. 132: 443-454. viii pl. on 4. My.15, 1930 (Rec'd Ag.)

Inonotus schini.

Bowen, P. R.

A maple leaf disease caused by Cristulariella depraedans. Conn. Agr. Exp. Stat. Bull. 316: 625-647. pl. xxix-xxxvi. Ap. 1930 (Rec'd Ag.)

Tisdale, W. B.

Plant pathology. Ann. Rep. Florida Agr. Exp. Stat. 1928/29: 68-81. [1930?]

Walker, M. N.

Cotton diseases in Florida. Florida Agr. Exp. Stat. Bull. 214. 32 p. illus. My.1930 (Rec'd Ag.)

Walker, M. N.

Potash in relation to cotton wilt. Florida Agr. Exp. Stat. Bull. 213. 10 p. Ap.1930 (Rec'd Ag.)

Exper. Stat. Publ. (cont.)

Hungerford, C. W.
How to treat seed potatoes. Idaho Agr. Exp. Stat. Circ.58. 8 p. illus. My.1930 (Rec'd Ag.)

Hungerford, C. W.
Treatment for control of grain smuts. Idaho Agr. Exp. Stat. Circ. 59. 8 p. illus. Je.1930. (Rec'd Ag.)

Pierce, W. H. & Hungerford, C. W.
Symptomatology, transmission, infection and control of bean mosaic in Idaho. Idaho Agr. Exp. Stat. Res. Bull. 7. 37 p. illus. Je.1929 (Rec'd Agr.1930).

Indiana Agricultural experiment station.
Dept. of botany. In its Ann. Rep. 42 (1928/29): 22-28. [1930?]
M. W. Gardner, acting chief.
(Entirely on plant diseases)

Hayes, H. K., Brewbaker, H.E. & Immer, F.R.
Double-crossed corn in Minnesota. Minn. Agr. Exp. Stat. Bull. 260. 16 p. illus. F.1930 (Rec'd Ag.)

Stakman, E. C.
Mutation and hybridization in Ustilago zeae. Minn. Agr. Exp. Stat. Techn. Bull. 65. 108 p. illus., 12 p. D.1929 (Rec'd Ag.1930).
Pt. I. Mutation: E.C. Stakman, J.J. Christensen, C.J. Elde, & B. Peturson. Pt.II. Hybridization: J.J. Christensen.

Rickett, H. W.
Botany [Ann.Rep.] Missouri Agr.Exp. Stat. 1928/29 (Its Bull. 285): 55-57. Ap.1930 (Rec'd Ag.)

Poole, R. F.
A chemical control of sweet potato scurf. North Carolina Agr. Exp. Stat. Techn. Bull. 38. 52 p. illus. My.1930 (Rec'd Ag.)

Hume, A. N.
The possibility of utilizing selfed strains in practical corn improvement. So. Dakota Agr. Exp. Stat. Bull. 245. 22 p. F.1930 (Rec'd Ag.)

State Publications.

Barss, H. P.
Eastern filbert blight. Month. Bull. Dept. Agr. Calif. 19: 489-490. Jl.1930. no.7.

Fulton, H. R.
Citrus melanose. Month. Bull. Dept. Agr. Calif. 19: 494-495. illus. Jl.1930. no. 7.

Heald, F. D.
Symptoms and effects of the chestnut tree blight caused by Endothia parasitica (Murr.) And. Month. Bull. Dept. Agr.Calif. 19: 491-493. illus. Jl. 1930. no.7.

King, C.J. & Loomis, H. F.
Texas root-rot. Month. Bull. Dept. Agr. Calif. 19: 501-505. illus. Jl.1930. no.7.

Meinecke, E. P.
The European larch canker. Month. Bull. Dept. Agr. Calif. 19: 506-509. illus. Jl.1930. no.7.

Metcalf, H.
The Woodgate rust. Month.Bull. Dept. Agr. Calif. 19: 496-497. illus. Jl.1930. no.7.

Newell, W.
Citrus canker. Month. Bull. Dept. Agr. Calif. 19: 483. illus. Jl.1930. no. 7.

Roberts, J. W.
Apple blotch. Month. Bull. Dept. Agr.Calif. 19: 498-500. illus. Jl.1930. no. 7.

Root, G. A.
The status of white pine blister rust in the west. Month. Bull. Dept. Agr. Calif. 19: 510-512. illus. Jl.1930. no.7.

Stevenson, J. A.
The downy mildew of the hop. Month. Bull. Dept. Agr. Calif. 19: 513-515. Jl.1930. no.7.

State Publications. (cont.)

Waite, M. B.
The peach yellows group of peach diseases. Month. Bull. Dept. Agr. Calif. 19: 484-488. illus. Jl. 1930. - no. 7.

New Books.

Artschwager, E.
Dictionary of biological equivalents, German-English. Baltimore, Williams-Wilkins, 1930.

Cheyney, E. G.
What tree is that? N. Y., Appleton, 1930.

Marshall D.
Weed control. [n.p.] 1930.

Pellett, F. C.
American honey plants... 3d ed. rev. & enl. Hamilton, Ill., American bee journal, 1930.

Rivière, C. & Lecq, H.
Traité pratique d'agriculture pour le nord de l'Afrique. Nouv. éd.rev. et augm. v.2. Paris, 1929.

Tiffany, L. H.
The Oedogoniaceae... Columbus, O., The author, 1930.

Correction.

v.12, no.15.
p. 17, 3d entry author's name should be Langer, S.
p. 20. Gartenw. entry should read.

Graebener-Oberkirch, L.
Beobachtungen über die kräuselkrankheit des pfirsichs. Gartenw. 34: 347-348. Je.20,1930. no.25.

v.12, no.16, p.11.
Indische Cult. author's name should be Kamerling, Z.

Filed out of place.

Planta, Arch. Wiss. Bot.

Mayer, H.
Untersuchungen über die chlorophyllase. Planta, Arch. Wiss. Bot. 11: 294-330. Jl.9,1930. no.2.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY RECEIVED SEP 18 1930 U.S. DEPT. OF AGRICULTURE

Vol. 12, no.18. Ag.18-30, 1930.

Agriculture et elevage Congo Belge.
Staner, P. & Verplancke, G.
Un état pathologique du sisal au Congo belge. Agriculture et elevage Congo Belge. 4: 245-246. Ag.16, 1930. no.16.
Physiological.

Amer. Potato Journal.
Tucker, J.
The effects of seed treatment on black leg. Amer. Potato Journ. 7:229-231. Ag.1930. no.8.

Ann. Géogr. (Paris)
Gaussen, H.
La carte des productions végétales. Ann. Géogr. 39: 337-358. pl. viii (col.fold.map) Jl.15, 1930. no.220.
France.

Ann. Appl. Biol. (London)
Caldwell, J.
The physiology of virus diseases in plants. I- The movement of mosaic in the tomato plant. Ann. Appl. Biol. 17: 429-443. pl. xxxiii. Ag.1930. no.3.

Fenton, E. W.
A botanical study of pasture plots. Ann. Appl. Biol. 17: 522-548. Ag.1930. no.3.

Jarrett, P. H.
The rôle of Thrips tabaci Lindeman in the transmission of virus diseases of tomato. Ann. Appl. Biol. 17: 444-451. Ag.1930. no.3.

Jozefowicz, M.
The effect of certain treatments on the germination of tomato seeds. Ann. Appl. Biol. 17: 504-513. Ag.1930. no.3.
A. Treatment with fungicides. B. Soaking seeds in water of different temperatures. C. Drying seeds at different temperatures.

Jozefowicz, M.
Some observations on tomato plants from seed submitted to high temperatures. Ann. Appl. Biol. 17: 514-521. illus. Ag.1930. no. 3.

USDA
LIB

566306

Ann. Appl. Biol. (cont.)

Norman, A. G.
The biological decomposition of plant materials III. Physiological studies on some cellulose-decomposing fungi. Ann. Appl. Biol. 17: 575-613. pl. xxxvii-xxxix. Ag. 1930. no.3.

Stoughton, R. H.
The influence of environmental conditions on the development of the angular leaf-spot disease of cotton. II. The influence of soil temperature on primary and secondary infection of seedlings. Ann. Appl. Biol. 17: 493-505. Ag. 1930. no.3.

Whitehead, T.
A study of the degeneration of certain potato stocks. Ann. Appl. Biol. 17:452-486. illus. pl.xxxiv-xxxv. Ag.1930. no.3.

Ann. Bot. (London)

Arber, A.
Studies in the Gramineae. IX. 1. The nodal plexus. 2. Amphivasal bundles. Ann. Bot. 44: 593-620. illus. Jl. 1930. no.175.

Bews, J. W. & Vanderplank, F. E.
Storage and other carbohydrates in a Natal succulent and a Natal geophyte and their behavior before, during, and after the winter resting season. Ann. Bot. 44: 689-719. Jl.1930. no.175.
Hypoxis rooperi, Portulacaria. afra.

Bowen, R. H. & Buck, L. H.
Notes on cytoplasmic structure in the gymnosperms. Ann. Bot. 44: 565-586. illus., pl. xxx-xxxi. Jl. 1930. no.175.

Crookall, R.
Crossotheca and Lyginopteris oldhamia. Ann. Bot. 44: 621-637. pl. xxxiii-xxxiv. Jl. 1930. no.175.

Garside, S. & Lockyer, S.
Seed dispersal from the hygroscopic fruits of Mesembryanthemum carpanthea (Mesembryanthemum), pomeridiana N.E.Br. Ann. Bot. 44: 639-655. illus. pl.xxxv. Jl. 1930. no.175.

Gregory, B. D.
New light on the so-called parasitism of Actinococcus aggregatus, Kütz, and Sterrocolax decipiens, Schmitz. Ann. Bot. 44: 767-779. Jl.1930. no.175.

Ann. Bot. (cont.)

Hawker, L. E.

Microsporogenesis in Taxus. Ann. Bot. 44: 535-539. illus. Jl.1930. no.175.

Higgins, E. M.

Reduction division in a species of Cladophora. Ann. Bot. 44: 587-592. pl.xxxii. Jl.1930. no.175.

Jones, J.

An investigation into the bacterial associations of some Cyanophyceae, with especial reference to their nitrogen supply. Ann. Bot. 44: 721-740. Jl. 1930. no.175.

Investigations made with Nostoc, Rivularia and Gloeocapsa. Concludes that nitrogen-fixing bacteria inhabit the muccus of some Cyanophyceae to the mutual benefit of both organisms.

Maskell, E. J. & Mason, T. G.

Studies on the transport of nitrogenous substances in the cotton plant. V. Movement to the boll. Ann. Bot. 44: 657-688. illus. Jl.1930. no.175.

Maslen, A. J.

The structure of Mesoxylon platypodium and Mesoxyloides. Ann. Bot. 44: 503-533. illus., pl. xxv-xxviii. Jl.1930. no.175.

Mohendra, K. R. & Mitra, M.

On the cultural behavior of Sphaeropsis malorum, Pk. Ann. Bot. 44: 541-555. illus., pl. xxix. Jl. 1930. no.175.

Vasudeva, R. S.

Studies in the physiology of parasitism, XII. On the effect of one organism in reducing the parasitic activity of another. Ann. Bot. 44: 557-564. Jl.1930. no.175.

Wardlaw, C. W.

The biology of banana wilt (Panama disease). I. Root inoculation experiments. Ann. Bot. 44: 741-766. illus. Jl.1930. no.175.

Ann. Univ. Stellenbosch. (Capetown)

Duthie, A. V.

List of vascular cryptogams and flowering plants of the Stellenbosch flats. Ann. Univ. Stellenbosch. v.8,A, no.4. 52p. 2 col.pl. Je.1930.

Ann. Rept. Dept. Agr. Jamaica.

Cousins, H. H. & Sutherland, J.B.

Field experiences with Panama disease of bananas, 1912-1930. Ann. Rep. Agr. Jamaica. 1929: 16-19. pl. 1930.

Smith, R.E.V.

Plant diseases in Jamaica in 1929. Report of the government microbiologist. Ann. Rep. Dept. Agr. Jamaica. 1929: 19-21. 1930.

Arch. Protistenk. (Jena)

Geitler, L.

Ueber die kernteilung von Spirogyra. Arch. Protistenk. 71: 79-100. illus., pl.5. 1930. no.1.

Hofeneder, H.

Ueber die animalische ernährung von Ceratium hirundinella O.F.Müller und über die rolle des kernes bei dieser zellfunktion. Arch. Protistenk. 71: 1-32. illus., pl. 1-2. (col.) 1930. no.1.

Kretschmer, H.

Beiträge zur cytologie von Oedogonium. Arch. Protistenk. 71: 101-138. illus., pl. 6-7. 1930. no. 1.

Arch. Portugaises Sci. Biol. (Porto)

Gonçalves da Cunha, A.

Remarques sur la cytologie du bourgeon d'Elodea canadensis. Arch. Portugaises Sci. Biol. 2: 242-285. pl. xxiii-xxvii. 1929 (Rec'd Ag.1930) no.3.

Beitr. Biol. Pflanz. Cohn. (Breslau)

Heinricher, E.

Wie steht es mit den beweisen für die behauptung E. Chemin's, dass eine chemische reizung durch ein lebendes nährobjekt für die samen von Lathraea clandestina unnötig sei? Beitr. Biol. Pflanz. Cohn. 18: 1-16. illus., pl. i. 1930. no. 1.

Magistris, H. & Schäfer, F.

Zur biochemie und physiologie organischer phosphor verbindungen in pflanze und tier VI. Ueber die beeinflussung des austrittes von wasserlöslichen pflanzenphosphatiden durch licht und temperatur. Beitr. Biol. Pflanz. Cohn. 18: 116-160. 1930. no.1.

Gleichzeitig beitrag zu einer kolloidchemischen theorie des permeabilitätsproblem.

Beitr. Biol. Pflanz. Cohn. (cont.)

Schneider, E.

Beiträge zur physiologie der farbstoffe der purpurbakterien. I. Die reinkultur des Rhodobacillus palustris Molisch und die gewinnung seiner pigmente. Beitr. Biol. Pflanz. Cohn. 18: 81-115. illus. 1930. no.1.

Weisse, A.

Blattstellungsstudien an sämlingen abnorm keimender dikotylen. Beitr. Biol. Pflanz. Cohn. 18: 17-80. pl. ii-iii. 1930. no.1.

Bergcultures. (Batavia, Java)

Zboray, E. von.

Over de roode wortelschimmel. Bergcultures. 4: 758-763. Jl.19, 1930. no.29.

Ber. Deut. Bot. Ges. (Berlin)

Frey-Wyssling, A.

Ueber die ausscheidung der kieselsäure in der pflanze. Ber. Deut. Bot. Ges. 48: 179-183. Jl.24, 1930. no.6.

Frey-Wyssling, A.

Vergleich zwischen der ausscheidung von kieselsäure und kalziumsalzen in der pflanze. Ber. Deut. Bot. Ges. 48: 184-191. Jl.24, 1930. no.6.

Metzner, P.

Ueber polare leitfähigkeit lebender und toter membranen. Ber Deut. Bot. Ges. 48: 207-211. illus. Jl.24, 1930. no.6.

Vorläufige mitteilung.

Oppenheimer, H. R.

Dehnbarkeit und turgordehnung der zellmembran. Ber. Deut. Bot. Ges. 48: 192-206. Jl.24, 1930. no.6.

Schiemann, E.

Ueber geschlechts- und artkreuzungsfragen bei Fragaria. Ber. Deut. Bot. Gest. 48: 211-222. illus. Jl. 24, 1930. no.6.

Ber. Ohara Inst. Landw. Forsch. (Kuraschiki)
Kondo, M. & Okamura, T.
Beziehung zwischen der wassertemperatur und den wachstum der reispflanzen. I. Ber. Ohara Inst. Lamdw. Forsch. 4: 395-411. pl. xxxiii-xxxiv. 1930. no. 3.

Nisikado, Y.
Ueber die bildung von konzentrischen zonen einiger Helminthosporium-arten in reinkulturen. Ber. Ohara Inst. Landw. Forsch. 4: 349-355. pl.29. 1930. no. 3.

Bibl. Genetica. ('s-Gravenhage)
Babcock, E.B. & Navashin, M.
The genus Crepis. Bibl. Genetica. 6: 1-90. illus. 1930.

Gaiser, L. O.
Chromosome numbers in angiosperms. II. Bibl. Genetica. 6: 171-466. 1930.

Biochem. Zeitschr. (Berlin)
Axentjeff, B. N.
Ueber die entwicklung der keimlinge aus mit nitratlösungen behandelten samen. Biochem. Zeitschr. 223: 387-393. Jl.15, 1930. no. 4/6.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc.
Weiss, F. E.
The problem of graft hybrids and chimaeras. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 5: 231-271. illus. Jl.1930. no.3.

Bol. Union Panamer. (Washington, D. C.)
Faris, J. A.
El domino del mosaico de la caña de azúcar en el campo Cubano. Bol. Union Panamer. 64: 968-983. illus. S.1930 (Rec'd Ag.) no.9.

Bot. Leafl. Field Mus. Nat. Hist. (Chicago)
McNair, J. B.
Spices and condiments. Bot. Leafl. Field Mus. Nat. Hist. no. 15. 64 p. incl. 10 pl., map. 1930.

Bull. Sci. Pharm. (Paris)

Guillaumin, A.

Les "Ocimum" à essence. Bull. Sci. Pharm. 37: 431-449. illus. Jl. 1930. no. 7.

Martin, P.

Contribution à l' étude de la précipitation et de l'agglutination sériques des champignons. Bull. Sci. Pharm. 37: 416-422. Jl. 1930. no.7.

Perrot, E., Hamet, R. & Larrieu, P.

Action pharmacodynamique des "Mitragyna" africains. Bull. Sci. Pharm. 37: 401-406. illus. Jl. 1930. no.7.

Bull. Techn. Mus. Sydney.

Penfold, A. R. & Morrison, F. R.

Australian tea trees of economic value, pt. I. Melaleuca linariifolia, M. alternifolia, Leptospermum citratum. Bull. Techn. Mus. Sydney. no.14. 15 p. illus. 1929 (Rec'd Ag. 1930).

Canada Exp. Farms. Circ.

Groh, H.

Poison ivy (Rhus toxicodendron L.) Canada Exp. Farms Circ. no. 75. 3 p. illus. 1930.

Centralbl. Bakt. Abt.II. (Jena)

Kostoff, D.

Tumors and other malformations on certain Nicotiana hybrids. Centralbl. Bakt. Abt.II, 81: 244-260. illus. Jl. 29, 1930. no. 8/14.

China Journ. (Shanghai)

Porterfield, W. M.

The mechanism of growth in bamboo. China Journ. 13: 86-91. illus., 1 pl. Ag. 1930. no. 2.

Compt. Rend, Acad. Sci. Paris.

Chalaud, G.

Les premières phases du développement du gamétophyte chez Lophocolea cuspidata Limpr. et chez Chiloscyphus polyanthus (L.) Corda. Compt. Rend. Acad. Sci. Paris. 191: 302-304. Ag.11, 1930. no. 6.

Sartory, A., Sartory, R., Hufschmitt, G. & Meyer, J.

Une mycose nouvelle provoquée par une levure du genre Debaryomyces: Debaryomyces mucosus n.sp. Compt. Rend. Acad. Sci. Paris. 191: 281-283. Ag.4, 1930. no.5.

Country Gentleman. (Philadelphia)

Cates, J. S.

Wheats that sleep late. An epochal discovery that gives hope of conquering black stem rust. Country Gentleman. 95(9): 6, 105. illus. S. 1930.

An account of the results of experiments of Helen Hart. Technical article appeared in Journ. Agr. Res. v.39, no. 12.

Deut. Landw. Presse. (Berlin)

Baur, E.

Professor Dr. Karl Fruwirth. Deut. Landw. Presse. 57: 426. port. Ag. 2, 1930. no. 31.

Empire Mark. Bd. [Publ.] (London)

Gt. Britain. Empire marketing board.

Canadian fruit shipments. Report of an investigation... into the deterioration in transit of imported Canadian fruit, 1927-29. Empire Mark. Bd. [Publ.] 30. 60 p. 1930.

Facts about sugar. (N.Y.)

Salt treatment for the control of diseases of sugar beet seedlings. Facts about sugar. 25: 705-706. S. 1930. no. 26.

A report of experiments conducted by the Continental sugar company, given by Col. Thomas G. Gallagher. Experiments carried out by D. J. A. Brock.

De Fruitteelt. (Arnheim)

Sprenger, A. M.

Selectie van aardbeien. De Fruitteelt. 20: 97-117. illus. Jl. 1930. no. 7.

Also as Landbouwh. Wageningen. no. 13. 20 p. 3 pl. on 2. Jl. 1930.

Gard. Chron. (London)

Buddleia. Gard. Chron. III, 88: 90. Ag.2, 1930. no. 2275.

Friend, H.

Horticulture in relation to commerce. Egypt's contribution (cont.) Gard. Chron. III, 88: 112. 1930. no. 2276.

Miller, E. W.

Rust disease of berberis (Mahonia) aquifolium. Gard. Chron. III, 88: 131. Ag.16, 1930. no. 2277. Puccinia mirabilissima.

Gard. Chron. (cont.)

Ward, F. K.

Giant sorrels. Gard. Chron. III, 88: 134-135. illus. Ag.16, 1930. no. 2277.

Weston, T. A.

Kalmia latifolia. Gard. Chron. III, 88: 108. Ag.9, 1930. no. 2276.

Not called calico bush in America as stated by L. C. in My.10 issue of Gard. Chron.

Yoshiroda, K.

Prunus tomentosa and its improvement. Gard. Chron. III, 88: 109. illus. Ag. 9,1930. no. 2276.

Gartenbauwiss. (Berlin)

Hässler, A.

Ueber den zweck und die methodik der bestimmungsarbeiten in unseren botanischen gärten nebst ihren beziehungen zur nomenklatur in der gärtnerei. Gartenbauwiss. 3: 476-479. Jl.30, 1930. no.5.

Schneider, C.

Ueber die benennung der gehölze. Gartenbauwiss. 3: 463-475. Jl. 30, 1930. no.5.

Zander, R.

Richtige gartenbaufachsprache als umsatzfaktor. Gartenbauwiss. 3: 480-498. J.30, 1930. no.5.

I. Die wissenschaftlichen pflanzennamen. II. Die deutsche pflanzennamen. III Allgemeine fachwörter.

Geogr. Journ. (London)

Chipp, T. F.

The vegetation of the central Sahara. Geogr. Journ. 76: 126-136. 4 pl. on 2, 2 maps. Ag.1930. no.2.

Wells, C.

The colour of Ruwenzori. Geogr. Journ. 76: 110-125. 7 pl. on 4 (1 col.), map. Ag.1930. no.2.

Hadar (Palestine Citrogr.) (Jaffa)

Oppenheim, J D. & Winik, L.

The determination of the sugar content and the Ph value of the Jaffa orange. Hadar (Palestine Citrogr.) 3: 170-173. Jl./Ag. 1930. no. 7/8.

Hawaiian Plant. Rec. (Honolulu)
Lyon, H. L. & Brodie, H.
Methods in plant physiology. Hawaiian Plant. Rec. 34: 247-261. illus. Jl. 1930, no.3.

Martin, J. P.
Cane diseases in Mauritius. Hawaiian Plant. Rec. 34: 263-265. Jl.1930. no.3.

Wadsworth, H. A. & Das, U. K.
Some observations on the wilting coefficient of a selected Waipio soil. Hawaiian Plant. Rec. 34: 289-299. illus. Jl. 1930. no,3.

Weller, D. M.
Pollen studies. II Germination of sugar cane pollen in culture media. Hawaiian Plant. Rec. 34: 351-368. illus. Jl. 1930. no.3.

Hilgardia. (Berkeley, Cal.)
Kendrick, J. B.
Kale yellows in California, caused by Fusarium conglutinans Wollenw. Hilgardia 5: 1-15. illus. Jl.1930 (Rec'd. Ag.) no.1.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)
Zechmeister, L. & Szilárd, K.
Ueber ein carotinoid aus den samenhüllen des spindelbaumes (Evonymus europaeus). Hoppe-Seyl. Zeitschr. Phys. Chem. 190: 67-71. Jl.25, 1930. no.1/2.

House and Gard. (Greenwich, Conn.)
Wilson, E. H.
Shrubs for banks and other steeply sloping places. House and Gard. 58(3): 108, 130, 132. illus. S.1930.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech.Biol. & Stat. Biol. Univ. Perm)
Henckel, P. A. & Litvinov, L. S.
... Ueber die jährlichen veränderungen der photosynthesefähigkeit bei einigen pflanzen. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm.) 7: 134-146. 1930.
Russian with German summary.

Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm.) (cont.)

Khrebtov, A. A.

... Beobachtungen an der weissen nieswurz. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Permsk. Gosud. Univ. Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm) 7: 147-152. 1930.

Veratrum album v. lobellianum.

Russian with German summary.

Riazantsev, A. V.

... Zur frage über die saisonveränderungen des assimilationsapparates bei einigen von unseren wintergrünen pflanzen. Izv. Biol. Nauchno-Issled. Inst. i Biol. Stan. Permsk. Gosud. Univ. (Bull. Inst. Rech. Biol. & Stat. Biol. Univ. Perm) 7: 105-132. 3 pl. 1930.

Russian with German summary.

Jahrb. Wiss. Bot. (Leipzig)

Fitting, H.

Untersuchungen über endogene chemonastie bei Mimosa pudica. Jahrb. Wiss. Bot. 72: 700-775. illus. 1930. no.5.

Harder, R.

Ueber den wasser- und salzgehalt und die saugkräfte einiger wüstenböden Beni Unifs (Algerien) Jahrb. Wiss Bot. 72: 665-699. illus. 1930.no.5.

Montfort, O.

Studien zur vergleichenden ökologie der assimilation III. Die photosynthetischen leistungen litoraler farbentypen in grösserer meerestiefe. Jahrb. Wiss. Bot. 72: 776-843. illus. 1930. no. 5.

Journ. Agr. Prat. (Paris)

Lesourd, F.

Histoire des plantes. (cont.) L'immortelle (Helichrysum orientale Gaertn.) Journ. Agr. Prat. n.s. 54(1): 69-70. illus. Jl.26,1930. no.30.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Delwiche, E. J. & Tottingham, W.E.

Effect of climate on nitrogen content of maize, barley, and red clover. Journ. Amer. Soc. Agron. 22: 681-688. Ag.1930. no.8.

Journ. Amer. Soc. Agron. (cont.)

McHargue, J.S. & Shedd, O.M.

The effect of manganese, copper, zinc, boron, and arsenic on the growth of oats. Journ. Amer. Soc. Agron. 22: 739-746. illus. Ag.1930. no.8.

Veatch, C. & Woodworth, C.M.

Genetic relations of cotyledon color types of soybeans. Journ. Amer. Soc. Agron. 22: 700-702. Ag.1930. no. 8.

Journ. Assoc. Off. Agr. Chem. (Washington, D.C.)

Youngken, H. W.

Report on crude drugs. The anatomy and identification of Kentucky black haw bark. Journ. Assoc. Off. Agr. Chem. 13: 305-308. Ag.15,1930. no.3.

Viburnum rufidulum.

Journ. Cancer Res.

Levine, M.

The chromosome-number in cancer tissue of man, of rodent, of bird and in crown gall tissue of plants. Journ. Cancer Res. 14: 400-425. Ag.1930. no.3.

Journ. For. (Washington, D.C.)

Isaac, L. A.

Seed flight in the Douglas fir region. Journ. For. 28: 492-499. Ap.1930 (Rec'd Ag.) no.4.

Journ. Hered. (Washington, D.C.)

Andrée de Vilmorin. Journ. Hered. 21: 224. port. (on cover) My.1930 (Rec'd Ag.) no.5.

The actual originator of the principle of "genealogical selection" generally credited to his son, Louis L. Vilmorin.

Darrow, G. M.

Foliacious calyx of the young dewberry. Journ. Hered. 21: 216. illus. My.1930. (Rec'd Ag.) no.5.

Kearney, T. H.

Cotton plants, tame and wild. Journ. Hered. 21: 195-210. illus. My.1930 (Rec'd Ag.) no5.

Nuttall, Z.

Documentary evidence concerning wild maize in Mexico. Journ. Hered. 21: 217-220. My.1930. (Rec'd Ag.) no.5.

Journ. Hered. (cont.)

Pearson, O. H.

An albino mustard. Journ. Hered. 21: 221-223. illus. My.1930 (Rec'd Ag.) no.5.

Brassica campestris var.

Journ. Min. Agr. Gt. Brit. (London)

Pethybridge, G. H. & Moore, W. C.

"Dry pickling" or "dusting" seed wheat to prevent bunt. Journ. Min. Agr. Gt. Brit. 37: 429-439. Ag.1930. no.5.

Journ. N.Y. Bot. Gard.

Dodge, B.O. & Swift, M.E.

Notes on boxwood troubles. Journ. N.Y. Bot. Gard. 31: 191-198. illus. Ag.1930. no.368.

Fungi (leaf spot (Macrophoma candollei, Volutella Buxi) and canker): p.196-198.

Merrill, E.D.

Botanical exploration of Borneo. Journ. N.Y. Bot. Gard. 31: 185-191. Ag. 1930. no.368.

Journ. Pomol. & Hort. Sci. (London)

Amos, J., Hatton, R.G., Hoblyn, T.N. & Knight, R.C.

The effect of scion on root. II. Stem-worked apples. Journ. Pomol. & Hort. Sci. 8: 248-258. 1 pl. Ag.1930. no.3.

Kolesnikov, V.A.

The dying off of rootlets of fruit trees. Journ. Pomol. & Hort. Sci. 8: 204-209. Ag.1930. no.3.

Kolesnikov, V.A.

The root system of fruit tree seedlings. Journ. Pomol. & Hort. Sci. 8: 197-203. Ag.1930. no.3.

Moore, M.H.

The incidence and control of apple scab and apple mildew at East Malling. I. Apple scab. Journ. Pomol. & Hort. Sci. 8: 229-247. 4 pl. on 2. Ag.1930. no.3.

Journ. Pomol. & Hort. Sci. (cont.)

Swarbrick, T.

Rootstock and scion relationship. Some effects of scion variety upon the rootstock. Journ. Pomol. & Hort. Sci. 8: 210-228. Ag. 1930. no.3.

Vyvyan, M.C.

The effect of scion on root. III. Comparison of stem and root-worked trees. Journ. Pomol. & Hort. Sci. 8: 259-282. 4 pl. on 2., 2 fold.tab. Ag.1930. no.3.

Lesnická Pracé (L'Oeuvre For.) (Pisek, Moravia)

Růžička, J.

Zlatoclizka smrková r. 1929 (Chrysomyxa abietis (Wallr.) Ung. im j.1929) Lesnická Pracé. (L'Oeuvre For.) 9: 263-265. 1930. no.6.

German summary.

Matières Grass. (Paris)

Pieraerts, J., Castagne, E. & Adriaens, L.

Contribution à l'étude chimique des légumineuses oléagineuses du Congo Belge. I. Le pois corail ou "Adenanthera pavonina" (cont.) Matières Grass. 22: 8922-8924. Ag.15, 1930. no.268.

Medd. Centralanst. Försksv. Jordbruksomr. Avd. Landtbruksbot.) (Stockholm)

Lundegardh, H., Burström, H. & Ekstrand, H.

Oorganiska betningsamnens inverkan på groendet och groddtillväxten av stråsad. Medd. 373 Centralanst. Försksv. Jordbruksomr. Avd.Landtbruksbot. 47. 33 p. illus. 1930.

German summary with title: Die wirkung von anorganischen beizsubstanzen auf die keimung und das keimlingswachstum von getreide.

Mitt. Geographisch. Ges. & Naturhistorisch. Mus. Lübeck.

Gusmann, P.

Beiträge zur kryptogamenflora der Untertrave und ihrer umgebung. Mitt. Geographisch. Ges. & Naturhistorisch. Mus.Lubeck 33: 103-131. 1929. (Rec'd Ag.1930)

Petersen, K.

Flora von Lubeck und umgebung. I- Mitt. Geographisch. Ges. & Naturhistorisch. Mus. Lubeck 33: 1-102. map. 1929 (Recd Ag.1930)

Mitt. Schweiz. Centralanst. Forstl. Versuchsw.

Burger, H.

Holzarten auf verschiedenen bodenarten. Eigenschaften einiger bodenarten, chemische zusammensetzung, phänologie und wachstum de darauf erzogenen holzarten. Mitt. Schweiz. Centralanst. Forstl. Versuchsw. 16: 49-128. illus. 1930. no.1.

Nageli, W.

Adventivwurzelbildung an "übererdeten" baumstämmen. Mitt. Schweiz. Centralanst. Forstl. Versuchsw. 16: 129-147. illus., 2 pl. on 1. 1930. no.1.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Storck, A.

Gegen älchen auf Lorraine-begonien. Möller's Deut. Gärtn.-Zeit. 45: 254. Ag.1, 1930. no.22.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Backeberg, C.

Neue und wenig bekannte cereen aus dem nördlichen Südamerika. Monatsschr. Deut. Kakteen-Ges. 2: 161-167. illus. Ag.1930. no.8.

Bödeker, F.

Eine neue, eigenartige Coryphantha. Monatsschr.Deut. Kakteen-Ges. 2: 168-170. illus. Ag.1930. no.8.

C. odorata.

Werdermann, E.

Ueber Echinocactus loricatus Speg. Monatsschr. Deut.Kakteen-Ges. 2: 170-172. illus. Ag. 1930. no.8.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)

Laubert, R.

Eine noch wenig bekannte krankheit der nelken. Nachrichtenbl. Deut. Pflanzenschutzd. 10: 1-2. illus. Ja.1930. no.1.

Pseudodiscosia dianthi.

Schlumberger, O.

Ein beitrag zur statistik der getreidebeizung. Nachrichtenbl. Deut. Pflanzenschutzd. 10: 33-35. My.1930. no.5.

Nachrichtenbl. Deut. Pflanzenschutzd. (cont.)

Zimmermann, H.

Uropyxis mirabilissima Magn. (Puccinia mirabilissima Peck). Nachrichtenbl. Deut. Pflanzenschutzd. 10: 44-45. illus. Je.1930. no.6.

Eine für Europa neue rostart an mohanien.

Nature (London)

Salaman, R. N.

Virus disease of the potato: streak. Nature. 126: 241. Ag.16, 1930. no.3172.

Nature Mag. (Washington, D.C.)

Gregory, C. T.

Aster's enemies, how to save your plants. Nature Mag. 16: 182-183. 182-183. illus. S.1930. no.3.

Wilt and yellows.

Oesterr. Bot. Zeitschr. (Wien)

Hartmann, M.

Berichtigung zu Br. Schussnig: Der generations- und phasenwechsel bei den chlorophyceen. (Ein historischer rückblick) Oesterr. Bot. Zeitschr. 79: 269-272. Jl.31, 1930. no.3.

Hruby, J.

Ein beitrag zur kenntnis der gattung Rosa in Bulgarien. Oesterr. Bot. Zeitschr. 79: 249-268. Jl.31, 1930. no.3.

Klein, G. & Schusta, F.

Der mikrochemische nachweis der alkaloide in der pflanze. XV. Der nachweis von echinopsin. Oesterr. Bot. Zeitschr. 79: 231-248. illus. Jl.31, 1930. no.3.

Lohwag, H.

Catastoma juglandiforme, ein afrikanischer gastromycet. Oesterr. Bot. Zeitschr. 79: 279-285. illus. Jl.31, 1930. no.3.

Schussnig, B.

Der chromosomencyclus von Cladophora suhriana. Oesterr. Bot. Zeitschr. 79: 273-278. illus. Jl.31, 1930. no.3.

Ohio Journ. Sci. (Columbus)

Jones, P. M.

Plasmodiophora lewisii, nov. sp. Ohio Journ. Sci. 30: 296-299. illus. Jl.1930. no.4.

Ohio Journ. Sci. (cont.)

Schaffner, J. H.

Principles of plant taxonomy IX. Ohio Journ. Sci. 30: 261-272. Jl.1930. no.4.

Pharm. Zentralh. (Dresden)

Richter, J.

Das saftsteigen in der pflanze. Pharm. Zentralh. 71: 481-484. Jl.31,1930. no.31.

Philipp. Journ. Sci. (Manila)

Quisumbing, E.

Philippine Piperaceae. Philipp. Journ. Sci. 43: 1-246. illus., pl.1-24. S.1930. no.1.

Phytopath.

Bodine, E.W. & Durrell, L.W.

Inoculation of wheat with Tilletia levis (Kühn). Phytopath. 20: 663-668. illus. Ag. 1930. no.8.

Bratley, C. O.

Notes on flooding injury to strawberries. Phytopath. 20: 685-686. Ag. 1930. no.8.

Brown, B. E.

Note regarding a possible influence of soil reaction on development of powdery mildew on cowpeas. Phytopath. 20: 683-685. illus. Ag. 1930. no.8.

Dickinson, L.S.

The effect of air temperature on the pathogenicity of Rhizoctonia solani parasitizing grasses on putting-green turf. Phytopath. 20: 597-608. Ag. 1930. no.8.

Diehl, W. W.

Ephelis-like conidia and floret sterility in Aristida. Phytopath. 20: 673-675. illus. Ag. 1930. no. 8.

A. glauca.

Johnston, C. O.

An aberrant physiologic form of Puccinia triticina Eriks. Phytopath. 20: 609-620. illus. Ag. 1930. no. 8.

Found on a highly resistant strain of Mediterranean wheat, Texas 3015-63.

Phytopath. (cont.)

Shapovalov, M.

A celluloid cell for inoculation of plants with insect vectors. Phytopath. 20: 681-683. illus. Ag. 1930. no. 8.

Starkey, E. J.

Rhizoctonia on wild potato. Phytopath. 20: 683. Ag. 1930. no. 8.

Solanum jamesii.

Stevens, N.E. & Mook, P.V.

Field observations on strawberry dwarf in North Carolina. Phytopath 20: 669-672. Ag. 1930. no.8.

Due to Aphelenchus fragariae or closely related form.

Thompkins, C.M. & Nuckols, S.B.

The relation of type of topping to storage losses in sugar beets. Phytopath. 20: 621-635. illus. Ag. 1930. no. 8.

Vanterpool, T.C.

Asterocystis radicis in the roots of cereals in Saskatchewan. Phytopath. 20: 677-680. illus. Ag. 1930. no.8.

Wallace, J. M.

Field observations as an aid in avoiding diseased cotton seed for planting. Phytopath. 20: 686-688. Ag. 1930. no. 8.

White, H. E.

Bacterial spot of radish and turnip. Phytopath. 20: 653-662. illus. Ag. 1930. no.8.

Bacterium vesicatorium raphani n.var., pathogenic to other crucifers, to tomato, pepper & tobacco.

Woolman, H. M.

Infection phenomena and host reactions caused by Tilletia tritici in susceptible and nonsusceptible varieties of wheat. Phytopath. 20: 637-653. illus. Ag. 1930. no. 8.

Plant Physiology.

Crafts, A. S. & Kennedy, P.B.
The physiology of Convolulus arvensis (morning glory or bindweed) in relation to its control by chemical sprays. Plant Physiology. 5: 329-344. illus. Jl.1930. no3.

Crafts, A. S.
Some accessories for the dissecting microscope. Plant Physiology. 5: 430-431. illus. Jl.1930. no.3.

Emmert, E. M.
A method for the rapid determination of phosphate in fresh plant tissues. Plant Physiology. 5: 413-417. Jl. 1930. no.3.

Frear, D. E.
Estimation of nitrate nitrogen in plant juice: A study of the expression and clarification of the juice. Plant Physiology. 5: 359-371. illus. Jl. 1930. no.3.

Hart, H.
Nicolas Theodore de Saussure. Plant Physiology. 5: 425-429. illus., pl.iv.(port.) Jl.1930. no.3.

Hurd-Karrer, A.M.
Titration curves of etiolated and of green wheat seedlings reproduced with buffer mixtures. Plant Physiology. 5: 307-328. diagrs. Jl.1930. no.3.

Johnston, E.S. & Fisher, P.L.
The essential nature of boron to the growth and fruiting of the tomato. Plant Physiology. 5: 387-392. illus. Jl.1930. no.3.

Kertesz, Z.I.
The chemical changes in peas after picking. Plant Physiology. 5: 399-412. Jl.1930. no.3.

Kimbrough, W. D.
The effect of fertilizer on the quality and keeping quality of watermelons. Plant Physiology. 5: 373-385. Jl.1930. no.3.

Loehwing, W. F.
Effects of insolation and soil characteristics on tissue fluid reaction in wheat. Plant Physiology. 5: 293-305. Jl. 1930. no.3.

Plant Physiology (cont.)

Otis, C. H.

The Askenasy demonstration. Plant Physiology. 5: 419-423. Jl.1930. no.3.

Pack, D. A.

Determination of the percentage of sucrose in sugar beets for research purposes. Plant Physiology. 5: 345-358. illus. Jl. 1930. no.3.

Patrick Beveridge Kennedy. Plant Physiology. 5: 439. Jl. 1930. no.3.

Sayre, J. D.

Accumulated iron in the nodes of corn plants. Plant Physiology. 5: 393-396. pl. iii. Jl.1930. no.3.

Steggerda, M.

Effect of somatic injury upon yield in corn. Plant Physiology. 5: 432-435. Jl.1930. no.3.

Planta Arch. Wiss. Bot. (Berlin)

Bazyrina, K.N. & Tschesnokov, V.

Der einfluss der luftdüngung auf die pflanzen. Planta Arch. Wiss. Bot. 11; 463-472. Jl.23, 1930. no.3.

Czaja, A. T.

Untersuchungen uber metachromatische farbungen von pflanzengebewen. I. Substantive farbstoffe. Planta Arch. Wiss. Bot. 11: 582-626. illus. Jl.23,1930. no.3.

Hahn, F.V. von & Bosian, G.

Die änderung der oberflächenspannung beim keimungsverlauf. Planta Arch. Wiss. Bot. 11: 627-630. illus. Jl.23, 1930. no.3.

Vorläufige mitteilung uber untersuchungen an weizen und erbsen.

Hüser, W.

Untersuchungen uber die anatomie und wasserökologie einiger Ostseestrandpflanzen. Planta Arch. Wiss. Bot. 11: 485-508. illus. Jl.23, 1930. no.3.

Matricaria inodora, Senecio vulgaris.

Koch, H.

Stratigraphische und pollenfloristische studien an drei nordwestdeutschen mooren. Planta Arch. Wiss. Bot. 11: 509-527. Jl.23, 1930. no3.

Planta Arch. Wiss. Bot. (cont.)
Pringsheim, E.G.
Untersuchungen über samenquellung I. Die abhängigkeit der quellung von der beschaffenheit der samen und von medium. Planta Arch. Wiss. Bot. 11: 528-581. illus. Jl.23,1930. no.3.

Tschesnokov, V. & Bazyrina, K.
Die ableitung der assimilate aus dem blatt. Planta Arch. Wiss. Bot. 11: 473-484. Jl.23, 1930. no.3.

Tschesnokov, V. & Bazyrina, K.
Die begrenzenden faktoren bei der photosynthese. Planta Arch. Wiss. Bot. 11: 457-462. Jl.23, 1930. no.3.

Proc. Nat. Acad. Sci.
Weier, T. E.
Notes on the plastid and other cytoplasmic bodies during sporogenesis and spermatogenesis in Polytrichum commune. Proc. Nat. Acad. Sci. 16:536-543. illus. Ag. 1930. no. 8.

Proc. Roy. Soc. Ser.B. (London)
Oliver, F. W.
William Turner Thiselton-Dyer,1843-1928. Proc. Roy. Soc. Ser.B. 106: xxiii-xxix. Ag.5, 1930. no. B747.

Seward, A. C.
Harold Wagner,1862-1929. Proc. Roy. Soc. Ser.B. 106: xix-xxii. port. Ag.5, 1930. no.B747.

Progr. Agr. & Vitic. (Montpellier)
Soursac, L.
Le mildiou. Observations sur la perpétuation de la maladie d'une année a l'autre et sur sa dissémination. Progr. Agr. & Vitic. 94; 157-159. Ag.17, 1930. no.33.

Publ. Field Mus. Nat. Hist. Bot.Ser.
McNair, J. B.
The differential analysis of starches. Publ. Field Mus. Nat. Hist. 275,Bot.Ser. v.9, no.1. 44 p. Je.19, 1930.

Quart. Journ. For. (London)

Dallimore, W.

The arboretum as an aid to silvicultural research. Quart. Journ. For. 24: 24-32. Ja. 1930 (Rec'd Ag.)

Dallimore, W.

Populus generosa Henry (secunda) Quart. Journ. For. 24: 118-120. illus. Ap.1930. (Rec'd) Ag.) no.2.

Dallimore, W.

The wild service tree (Pyrus torminalis Ehrhart). Quart. Journ. For. 24: 206. 1 pl. Jl. 1930. no. 3.

Day, W. R.

The heart rot of timber in relation to forest management. Quart. Journ. For. 23: 242-251. Jl. 1939 (Rec'd Ag.1930) no.3.

Day, W. R.

The "Javart" disease of sweet chestnut. Cytodiplospora castaneae Oudemans. (Diplodina castaneae Prillieux et Delacroix). Quart. Journ. For. 24: 114-117. illus. Ap. 1930. (Rec'd Ag.) no.2.

Forbes, A. C.

Augustine, Henry. Quart. Journ. For. 24: 169-173. port. Jl. 1930 (Rec'd Ag.) no. 3.

Hudson, A. A.

Planting on chalk soil. Quart. Journ. For. 24: 175-185. 6 pl. on 3. Jl. 1930. no.3.

Queensl. Agr.Journ. (Brisbane)

White, C. T.

The Margosa tree and its allies. Queensl. Agr. Journ. 34: 17. Jl. 1,1930. no.1.

Azadirachta indicia.

Repert. Spec. Nov. Beih. (Dahlem)

Christiansen, W.

Arbeitsplan zur untersuchung von dauerquadraten (Sukzessionsforschung). In Beiträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 178-180. Je.10,1930.

Repert. Spec. Nov. Beih. (cont.)

Fahl, R.

Die moore Schliesiens. In Beiträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 32-79. Je.10,1930.

Kalkreuth, P.

Charakterische vertreter der deutschen bergwaldflora in der pflanzenwelt des freistaates Danzig. In Beiträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 97-98. Je. 10, 1930.

Kuppfer, K. R.

Die pflanzengeographische bedeutung des ostbaltischen gebietes. In Beitrage zur systematik und pflanzengeographie, VII. Repert. Spec. No. Beih. 61: 1-31. 2 maps. Je.10, 1930.

Marzell, H.

Heilige pflanzen. In Beitrage zur systematik und pflanzengeographie, VII. Repert, Spec. Nov. Beih. 61: 176-177. Je. 10,1930.

Morton, F.

Pflanzensoziologische studien im Dachsteingebiete. In Beiträge zur systematik und pflanzengeographie, VII Repert. Spec. Nov. Beih. 61: 122-147. pl.iii. Jr. 10, 1930.

Preuss, H.

Apophyten und archaeophyten in der nordwestdeutschen flora. In Beiträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 106-119. Jr. 10, 1930.

Regel, C.

Pflanzengeographische skizze von Litauen. In Beitrage zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 148-175. fold. map. Je. 10, 1930.

Schulz-Korth, K.

Heinrich Sandstede, Dr. h.c. der universität Münster. In Beiträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 181-182. Je. 10,1930.

Repert. Spec. Nov. Beih. (cont.)

Wein, K.
Urtica dodartii, die geschichte einer mutation. In Beitrage zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 99-103. Je. 10, 1930.

Wein, K.
Die verbreitung der Salvinia natans im südwestlichen Europa in beziehungen zum vogelzug. In Britrag zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 80-84. pl. 1 (map) Jr. 10, 1930.

Zohary, M.
Beiträge zur kenntnis der hygrochastischen pflanzen. In Bieträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 85-95. pl. ii. Je. 10, 1930.

Zohary, M.
Ueber einen neuen fall vom amphikarpie bei Gymnarrhena micrantha Desf. In Beiträge zur systematik und pflanzengeographie, VII. Repert. Spec. Nov. Beih. 61: 95-96. Je. 10, 1930.

Rep. Canada Exp. Farms. (Rep. Dom. Bot.)

Berkeley, G. H.
Report of the Dominion field laboratory of plant pathology, St. Catharines, Ontario. Rep. Canada Exp. Farms. 1928 (Rep.Dom.Bot.): 119-130. 1929 (Rec'd Ag.1930).

Brown, A. M. & Newton, M.
The dwarf leaf rust of barley in western Canada. Rep. Canada Exp. Farms. 1928 (Rep.Dom.Bot.): 83-84. 1929 (Rec'd Ag. 1930).
In Report of Dominion rust research laboratory.

Conners, I. L.
Smut investigations. Rep. Canada Exp.Farms. 1928 (Rep. Dom.Bot.): 86-90. 1929 (Rec'd Ag. 1930)
In Report of Dominion rust research laboratory.

Craigie, J´ H´
Report of the Dominion rust research laboratory Winnipeg, Manitoba. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 52-90. illus. 1929 (Rec'd Ag. 1930).

Rep. Canada Exp. Farms. (Rep. Dom. Bot.) (cont.)

Craigie, J. R.
Sexual behaviour of Puccinia graminis. Rep. Canada Exp. Farms. 1928 (Rep.Dom.Bot.): 78-82. illus. 1929 (Rec'd Ag. 1930)
In Report of Dominion rust research laboratory.

Drayton, F. L.
Miscellaneous notes on bulb diseases. Rep. Canada Exp. Farms. 1928 (Rep. Dom.Bot.): 20-25. illus. 1929 (Rec'd Ag. 1930)
Iris "bulb scab" or "ink disease" (Mystrosporium adustum) - Crocus diseases - Increased host range of certain bulb diseases - Gladiolus field experiments.

Gordon, W. L.
Root rots and foot rots of cereals in Manitoba. Rep. Canada Exp. Farms. 1928 (Rep.Dom.Bot.): 84-86. illus. (map) 1929 (Rec'd Ag. 1930)
In Report of Dominion rust research laboratory
Helminthosporium, Fusarium, Ophiobolus graminis.

Greaney, F. J.
Sulphur dusting experiments for the control of cereals rusts. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 61-77. 1929 (Rec'd Ag. 1930)
In Report of Dominion rust research laboratory.

Groh, H.
Weed survey. Rep. Canada Exp. Farms. 1928 (Rep. Dom.Bot.): 12-16. 1929 (Rec'd Ag. 1930)
Nova Scotia.

Güssow, H. T.
Flag smut of wheat. A dangerous disease intercepted. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 51-52. 1929 (Rec'd Ag. 1930)

Güssow, H. T.
Needle blight of white pine. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 31-33. 1929 (Rec'd Ag. 1930).

Güssow, H. T.
Review of the history and progress of stem rust research in Canada. Rep. Canada Exp. Farms. 1928 (Rep. Dom.Bot.): 47-51. 1929 (Rec'd Ag. 1930)

Rep. Canada Exp. Farms. (Rep.Dom.Bot.) (cont.)

Harrison, K. A.
Willow blight. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 24-36. illus. 1929 (Rec'd Ag. 1930).
Physalospora miyabeana.

Hockey, J. F.
Club-root of turnips. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 219-220. 1929 (Rec'd Ag. 1930)

Hockey, J. F.
Report of the Dominion field laboratory of plant pathology, Kentville, N.S. Rep. Canada Exp. Farms. 1928 (Rep. Dom.Bot.): 131-142. illus. 1929 (Rec'd Ag. 1930).

Hurst, R. R.
Leaf spot of hollyhock (Ascochyta althaeina Sacc. et Bizz.) Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 26-28. illus. 1929 (Rec'd Ag. 1930).

Hurst, R. R.
Report of the Dominion field laboratory of plant pathology, Charlettetown, Prince Edward Island. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 165-186. illus. 1929 (Rec'd Ag. 1930).

Hurst, R. R.
Resistance of timothy selections to rust (Puccinia phleipratensis Erikss. et Henn.) Rep. Canada Exp. Farms 1928 (Rep. Dom.Bot.): 25-26. 1929 (Rec'd Ag. 1930)

Johnson, T. & Newton, M.
Yellow stripe rust in Canada. Rep, Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 78. 1929 (Rec'd Ag. 1930).
In Report of Dominion rust research laboratory.

McLarty, H. R.
Report of the Dominion field laboratory of plant pathology, Summerland, B. C. Rep. Canada Exp. Farms 1928 (Rep.Dom. Bot.: 142-162. 1929 (Rec'd Ag. 1930.

MacLeod, D. J.
Club root of turnips, Plasmodiophora brassicae, WOR. Rep. Canada Exp. Farms 1928 (Rep. Dom.Bot): 216-219. 1929 (Rec'd Ag.1930).

Rep. Canada Exp. Farms (Rep. Dom. Bot.) (cont.)

MacLeod, D. J.
Report of the Dominion field laboratory of plant pathology, Fredericton, N.B. Rep. Canada. Exp. Farms 1928 (Rep.Dom.Bot.): 186-199. illus. 1929 (Rec'd Ag. 1930).

Mounce, I.
Cultural studies of wood-destroying fungi. Rep. Canada Exp.Farms. 1928 (Rep.Dom.Bot.): 40-44. illus. 1929 (Rec'd Ag. 1930).

Newton, M., Johnson, T. & Brown, A. M.
Physiologic forms of wheat stem rust in Canada. Rep. Canada Exp.Farms. 1928 (Rep. Dom.Bot.): 57-59. 1929 (Rec'd Ag. 1930).
In Report of Dominion rust research laboratory.

Newton, W.
Report of the Dominion field laboratory of plant pathology, University of British Columbia, Vancouver, B. C. Rep. Canada Exp. Farms 1928 (Rep. Dom.Bot.): 202-204. 1929 (Rec'd Ag. 1930).

Popp, W.
Rust epidemiology. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 53-57. 1929 (Rec'd Ag. 1930)
In Report of the Dominion rust research laboratory.

Racicot, H. N.
Report of the Dominion field laboratory of plant pathology, Ste. Anne de la Pocatière, P.Q. Rep. Canada Exp. Farms 1928 (Rep. Dom. Bot.): 199-202. 1929 (Rec'd Ag. 1930).

Sanford, G. B.
Report of the Dominion field laboratory of plant pathology, Edmonton, Alberta. Rep. Canada Exp. Farms 1928 (Rep. Dom. Bot.): 107-116. illus. 1929 (Rec'd Ag. 1930).

Simmonds, P. M.
Report of the Dominion field laboratory of plant pathology, Saskatoon, Sask. Rep. Canada Exp. Farms 1928 (Rep. Dom. Bot.): 91-107. illus. 1929 (Rec'd Ag. 1930).

Rep. Canada Exp. Farms. (Rep. Dom. Bot.) (cont.)

Walker, A. R.
Strawberry root rot. Rep. Canada Exp. Farms 1928 (Rep. Dom. Bot.): 125-130. 1929 (Rec'd Ag. 1930).
In Report Dominion field faboratory, St. Catharines, Ont.

Woolliams, G. E.
Investigational work on vegetable diseases. Rep. Canada Exp. Farms. 1928 (Rep. Dom. Bot.): 157-162. 1929 (Rec'd Ag. 1930).
In Report of Dominion field laboratory, Summerland, B. C.

Rep. Dept. Agr. Bermuda.

Cunningham, H. S.
Report of the plant pathologist, 1929. Rep. Dept. Agr. Bermuda. 1929: 26-31. 1930.

Rev. Agr. Ilo Maurice(Maurice)

Sornay, A. de
Méthode d'obtention de nouvelles variétés de cannes. Rev. Agr. Ile Maurice. 1930: 99-104. My./ Jr. 1930. no. 51.

Rev. Bot. Appl. (Paris)

Chabrolin, C.
Les maladies du dattier. Rev. Bot. Appl. 10: 557-566. map. Jl. 1930. no. 107.

Chevalier, A.
Le dattier en Mauritanie. (concl.) Rev. Bot. Appl. 10: 571-577. Jl. 1930. no. 107.

Dufrénoy, J.
Les mosaiques des plantes tropicales et subtropicales de l'Ouest Africain. Rev. Bot. Appl. 10: 568-571. illus. Jl. 1930. no. 107.

Trochain, J.
Le ricin. (cont.) Rev. Bot. Appl. 10: 573-589. Jl. 1930. no. 107.

Aubréville,
Les sterculiacées de la Côte d'Ivoire. Act. Compt. Rend. Assoc. Colon. Sci. 6: 164-168. Jl. 1930 (With Rev. Bot. Appl. v.10, no. 107) no. 61.

Rev. Gén. Bot. (Paris)

Carpentier, A.

Observations sur quelques empreintes du Westphalien du nord de la France. Rev. Gén. Bot. 42: 385-390. pl.19. Jl. 1930. no.499.

Chalaud, G.

Le cycle évolutif de Fossombronia pusilla Dum. (suite). Rev. Gén. Bot. 42: 429-448, 505-512. Jl., Ag. 1930. no. 499, 500.

Eichhorn, A.

Aperçus sur le noyau a l'état quiescent, Rev. Gén. Bot. 42: 449-456. Ag. 1930. no. 500.

Guilliermond, A.

Recherches ultramicroscopiques sur les cellules végétales. (fin). Rev. Gén. Bot. 42: 391-408, 473-490. illus., pl. 8-18. Jl. Ag. 1930. no. 499-500.

Ling-Young, M.

Êtude biologique des phénoménes de la sexualité chez les mucorinées (suite). Rev. Gén. Bot. 42: 409-421, 491-504. illus. Jl.,Ag. 1930. no.499,500.

Pelous, L. A.

Êtude de l'action des courants électriques alternatifs sur les phénoménes d'osmose et la circulation de l'eau chez les plantes vasculaires. I. Etude générale de l'influence des courants alternatifs sur les phénoménes d'osmose. Rev. Gén. Bot. 42: 457-472. Ag. 1930. No. 500.

Rev. Hort. (Paris)

Guillaumin, A.

Les cactées, principales espéces. (cont.) Rev. Hort. 102: 189-191. illus. Ag. 16, 1930. no.8.

Opuntia (suite)

Jarry-Desloges, R.

La bibacier (Eriobotrya japonica). Essais culturaux dans les Alpes-maritimes. Rev. Hort. 102: 186-188. illus. Ag.16, 1930. no.8.

Rev. Soc. Colombiana Cienc. Nat. (Bogota)

Apolinar Maria, hermano (brother)

Ciencias naturales colombianas. Vocabulario de los términos vulgares usados en la republica. Rev. Soc. Colombiana Cienc. Nat. 19: 118-122. Je./Jl. 1930. no.106.

Rev. Soc. Colombiana Cienc. Nat. (cont.)
Pérez Arbelàez, E.
Expedición botánica colombiana. Rev. Soc. Colombiana Cienc. Nat. 19: 84-91. Je./Jl. 1930. no. 106.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann. (Poznán)
Juraszkówna, H.
Obserwacje nad chwastami, wystepujacomi na polach naszyck. (Observations sur les mauvaises herbes de nos champs). Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 24: 47-78. Jl./Ag. 1930 No. 1.

Science. (Lancaster, Pa.)
Campbell, D. H.
The origin of land plants. Science. 72: 177-187. Ag.22, 1930. no. 1860.

Walter Deane, botanist and ornithologist... Science. 72: 188. Ag.22, 1930. no. 1860.

Sci. & Invent.
Miller, J. N.
Searching for the essence of madness. Sci. & Inv. 18: 300, 361. illus. Ag. 1930. no.4.
"In the depths of a South American jungle a Smithsonian expedition found plants that bring dreams, coma, death." Ayahuasco and strycnos bush were among the some 9200 different kinds of plants collected by Dr. Killip and his associate.

Sci. Bull. Dept. Agr. So. Africa.
Verwoerd, L. & Dippenaar, B. J.
On the occurrence of a berry wilt and rot of grapes (Vitis vinifera) caused by Sphaeropsis malorum, Berk. Sci. Bull. Dept. Agr. So. Africa. no. 86. 16 p. illus. 1930.

Scient. Month. (Lancaster, Pa.)
Berry, E. W.
The ancestry of our trees. Scient. Month. 31: 260-263. S. 1930. no.3.
Radio talk.

Torreya.
Sinnott, E. W.
Some problems in plant development. Torreya. 30: 91-96. Jl./Ag. 1930. no.4.

Torreya. (cont.)

Torrey, R. H.
Hottonia inflata in Harriman State Park. Torreya. 30: 100. Jl./Ag.1930. no.4.

Torrey, R. H.
Potentilla (Sibbaldiopsis) tridentata survives on High Point. Torreya. 30: 99. Jl. Ag.1930. no. 4..
Kittatiny Mt., N.J.

Wiggins, I.L.
A new California station for Nymphaea polysepala (Engelm.) Greene. Torreya. 30: 97-98. Jl./Ag.1930. no.4.
Between Oceano and Callender in San Luis Obispo County.

Trans. & Proc. New Zeal. Inst. (Wellington, N.Z.)

Wall, A.
Appendix on the plant-covering of the [Lake Ellesmere] Spit. Trans. & Proc. New Zeal. Inst. 61: 168-169. My.31, 1930. no.1.
Appendix to R. Spreight's "The Lake Ellesmere Spit". p.147-168.

Trudy Arkhang. Bol. Opytn. Polia (Arb. Moorversuchst.Archang.)

Schennikov, A. P. & Golubeva, M.M.
...Vegetation eines teiles des moorversuchsfeldes im Gouv. Archangelsk. Trudy Arkhang. Bol. Opytn. Polia (Arb. Moorversuchst. Archang.) 1: 53-109. illus. 1930.
Russian with German summary

Trudy Lesn. Opytn. Delu.(Mitt. Forst. Versuchsw.) Leningrad.

Vanin, S. I.
... Die methoden der phytopathologischen untersuchungen des holzes. Trudy Lesn. Opytn. Delu (Mitt. Forst. Versuchsw.) Leningrad. 5: 1-18. illus. 1930.
Russian with German summary (Uebersetzt von P. Strauch)

U.S. Dept. Agr. Farm. Bull.

Gilbert, W.W. & Popenoe, C. H.
Diseases and insects of garden vegetables. U.S. Dept. Agr. Farm. Bull. 1371. rev. 46.p. illus. My. 1930 (Rec'd Aug.)

U.S. Dept. Agr. Farm. Bull. (cont.)

Stevens, N. E.
Strawberry diseases. U.S.Dept. Agr. Farm. Bull. 1458, rev. 17 p. illus. Jl.1930.

U.S. Dept. Agr. Plant Dis. Rep.

Chupp, C.
Vegetable diseases in three counties of New York. U. S. Dept. Agr. Plant Dis. Rep. 14: 175-176. S.1, 1930. no.17.

Davis, W. H.
Survey of tobacco seed beds in Massachusetts. U. S. Dept. Agr. Plant Dis. Rep. 14: 177-178. S.1, 1930. no.17.

Haskell, R. J.
Breaking over of wheat straw. U.S. Dept. Agr. Plant Dis. Rep. 14: 157-158. Ag.15, 1930. no.16.
Condition resembling "crinkle joint".

Johnson, J.
Tobacco seed-bed survey in Wisconsin. U.S. Dept. Agr. Plant Dis. Rep. 14: 164-165. Ag.15, 1930. no.16.

Melchers, L. E. & Fellows, H.
Wheat mosaic in Kansas. U. S. Dept. Agr. Plant Dis. Rep. 14: 158. Ag.15, 1930. no. 16.

Orton, C. R.
Tobacco disease survey in West Virginia. U. S. Dept. Agr. Plant Dis. Rep. 14: 163-164. Ag. 15, 1930. no.16.

Parker, K. G.
Fire blight of pears and apples in New York. U. S. Dept. Agr. Plant Dis. Rep. 14: 155. Ag.15, 1930. no. 16.
"In general this has been the worst epiphytotic of fire blight in this state since 1925"

U.S. Dept. Agr. Plant Dis. Rep. (cont.)

Phony disease of peach. U. S. Dept. Agr. Plant Dis. Rep. 14: 171. S.1, 1930.

New occurrences.

Rhoads, A.S.

Bark-rot of orange trees. U.S. Dpt. Agr. Plant Dis. Rep. 14: 169. S.1, 1930. no.17.

?Phomopsis citri.

Rhoads, A. S.

Clitocybe root-rot of grapefruit trees. U.S. Dept. Agr. Plant Dis. Rep. 14: 168. S.1, 1930. no. 17.

Rhoads, A. S.

Devitalization of trees on lemon rootstocks. U.S. Dept. Agr.Plant. Dis. Rep. 14: 169-170. S.1, 1930. no.17.

Samson, R. W.

Survey of tobacco seed beds in southern Indiana U.S. Dept. Agr. Plant Dis. Rep. 14: 179-180. S.1, 1930. no.17.

U.S. Dept. Agr. Misc. Pub.

Dievers, A. F.

American medicinal plants of commercial importance. U.S. Dept. Agr. Misc. Publ. 77. 74 p. illus. Jl.1930.

U. S. Dept. Agr. Techn. Bull.

Zaumeyer, W. J.

The bacterial blight of beans caused by Bacterium phaseoli. U.S. Dept. Agr. Techn. Bull. 186. 36 p. illus. 2 pl. Jl.1930 (Rec'd Ag.)

U.S. Geol. Surv. Prof. Paper.

Berry, E. W.

Revision of the lower eocene Wilcox flora of the southeastern states, with descriptions of new species, chiefly from Tennessee and Kentucky. U.S. Geol. Surv. Prof. Paper. 156. 196 p. illus., 50 pl. 1930.

Hollick, A.

The upper cretaceous floras of Alaska...with a description of the plant-bearing beds, by G.C. Martin. U.S. Geol. Surv. Prof. Paper. 159. 123 p. 86 pl. fold. tab. 1930.

Univ. Calif. Publ. Bot. (Berkeley, Cal.)

Goodspeed, T. H.
Meiotic phenomena characteristic of first generation progenies from x-rayed tissues of Nicotiana tabacum. Univ. Calif. Publ. Bot. 11. 309-318. illus. Je.17, 1930, no.18.

Verh. Intern. Kongr. Forstl. Versuchsanst. Stockholm, 1929.

Fabricius, L.
Neuere versuchsergebnisse zur frage des wurzelwettbewrbs und der schattenfestigkeit der holzarten. Verh. Intern. Kongr. Forstl. Versuchsanst. Stockholm, 1929: 370-380. 1930.

Lagerbeg, T.
Neuere untersuchungen über die fäulniserscheinungen des nadelhölzes. Verh. Intern. Kongr. Forstl. Versuchanst. Stockholm, 1929: 350-356. 1930.
Stereum sanguinolentum.

Post, L. v.
Die postarktische geschichte der europäischen wälder nach den vorliegenden pollendiagrammen. Verh. Intern. Kongr. Forstl. Versuchsanst. Stockholm, 1929: 1-27. illus. (incl. maps) 1930.

Schmidt, W.
Die physiologische keimlingsdiagnose. Verh. Intern. Kongr. Forstl. Versuchanst. Stockholm, 1929: 317-332. 1930.

Stålfelt, M. G.
Der wasservorrat der bäume als assimilationsfaktor. Verh. Intern. Kongr. Forstl. Versuchanst. Stockholm, 1929: 363-369. 1930.

Stoklasa, J.
Die mikrobiologischen vorgänge bei der humusbildung im boden. Verh. Intern. Kongr. Forstl. Versuchsanst.. Stockholm. 1929: 44-73. illus. 1930.

Tourney, J. W.
The site factors in the interpretation of forest vegetation. Verh. Intern. Kongr. Forstl. Versuchanst. Stockholm. 1929: 381-386. 1930.

Vierteljahrsschr. Naturf. Ges. Zürich. Beibl.

Schnyder, A.
Floristische und vegetationsstudien im Alviergebiet. Vierteljahrsschr. Naturf. Ges. Zürich. Beibl. [illegible], no.17. 96 p. 1930.

Zeitschr. Pflanzenkr. (Stuttgart)

Tubeuf, C.v.

Die gefahr der Rhabdocline für die douglasie in Deutschland und ihre bekämpfung. Zeitschr. Pflanzenkr. 40: 390-392. Ag.1930. no.8.

See also his Auskünfte: p.392-393.

Tubeuf, C.v.

Gnomonia pseudoplatani n.sp., die ursache der riesenflecken auf den blättern des bergahorns. (Acer pseudoplatanus). Zeitschr. Pflanzenkr. 40: 364-375. illus. Ag. 1930. no.8.

Tubeuf, C.v.

Massenbefall von bambus durch eine loranthacee. Zeitschr. Pflanzenkr. 40: 356-364. illus. Ag.1930. no.8.

Struthanthus concinnus.

Tubeuf, C.v.

Das problem der knollenkiefer. Zeitschr. Pflanzenkr. 40: 225-251. illus. My.1930. no.5.

Tebeuf, C.v.

Scheinmarkstrahlen im holze der kiefer. Zeitschr. Pflanzenkr. 40: 353-356. illus. Ag. 1930. no.8.

"Ein nachtrag zum artikel "Das problem der knollenkiefer",

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. (Leipzig)

Reincke, R.

Die kalkempfindlichkeit der gelben lupine und der anteil der knöllchenbakterien an der erkrankung. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. 17: 79-102. 193 0. no.1/2.

Zeitschr. Pilzk. (Leipzig)

Bothe, F.

Der leuchtende ölbaumpilz, Clitocybe olearia D. C. auf künstlichen nährböden. Zeitschr. Pilzk. 14(n.s.9): 81-84. J.30, 1930. no.6/7.

Huber, H.

Standorte seltener pilze in der umgebung Wiener-Neustadt's (Niederösterreich und Burgenland) Beitrag zur pilzgeographie. Zeitschr. Pilzk. 14 (n.s.9): 98-104. Jl.30. no.6/7.

Zeitschr. Pilzk. (cont.)

Laubert, R.

Schmarotzerpilzfunde aus Thüringen. Zeitschr. Pilzk. 14(n.s.9): 86-90. Jl.30, 1930. no.6/7.

Zeitschr. Zuckerind. Čechoslovak. Rep.

Stehlik, V. & Neuwirth, F.

Oekologie der aufgehenden rübe mit berücksichtigung ihrer krankheiten. Die präparation des rübensamens mittels schwefelsäure. Zeitschr. Zuckerind. Čechoslovak. Rep. 54: 567-578. illus. Jl.25,1930. no.47.

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin)

Mitscherlich. E. A.

Die beurteilung der ergebnisse von sorten- und stamm-anbauversuchen. Zeitschr. Zücht. A. Pflanzenzücht. 15: 223-237. Je.1930. no.3.

Rengbusch. R.v.

Ueber lupinenzüchtung am Kaiser-Wilhelm-Institut für züchtungsforschung, Müncheberg. i.d. Mark. Zeitschr. Zücht. A. Pflanzenzücht. 15: 219-222. Je. 1930. no.3.

Snell, K.

Ergebnisse der untersuchungen der kartoffelsorten- register-kommission bis zum jahr 1929 einschliesslich. Zeitschr. Zücht. A. Pflanzenzücht. 15: 239-274. Je.1930. no.3.

Ziegler, O.

Kritische betrachtung zur auslesezüchtung. Zeitschr. Zücht. A. Pflanzenzücht. 15: 167-218. Je.1930. no.3.

Exper. Stat. Publ.

Beadle, G. W.

Genetical and cytological studies of Mendelian asynapsis in Zea Mays. Cornell Agr. Exp. Stat. Mem. 129. 23 p. incl. 6 pl. My.1930 (Rec'd Ag.)

Young, P.A. & Morris, H. E.

Researches on potato-virus diseases in Montana. Montana Agr. Exp. Stat. Bull. 231. 51 p. illus. Je.1930. (Rec'd Ag.)

Einset, O.

Open pollination vs. hand pollination of pollen-sterile grapes. New York Agr. Exp. Stat. Techn. Bull. 162. 14 p. illus. Jr.1930.

Exper. Stat. Publ. (cont.)

Hopper, T. H. & Nesbitt, L.L.

The chemical composition of some North Dakota pastures and hay grasses. North Dakota Agr. Exp. Stat. Bull.236. 38 p. illus. Je.1930 (Rec'd Ag.)

Laurie, A.

Doubling of the flowers of stocks. Ohio Agr. Exp. Stat. Bimonth. Bull. 145: 122-124. Jl./Ag. 1930.

"These tests are fairly conclusive and indicate that the tendency to doubling in stocks is dependent upon vigor in the plant."

Thomas, R. C.

The canker disease of tomato. Ohio Agr. Exp. Stat. Bimonth. Bull. 145: 116-122. illus. Jl./Ag. 1930.

Shoemaker, J.S.

Raspberries and blackberries in Ohio. Ohio Agr. Exp. Stat. Bull. 454. 78 p. illus. Je.1930. (Rec'd Ag.)

Pt.1. Culture, J.S. Shoemaker, pt.II. Diseases, C. W. Bennett, pt.III Insect pests, J.S. Houser.

Utah Agricultural experiment station.

Plant pathology and physiology. Its Bienn. Rep. Jl.1928. to Je. 1930.(Bull.220): 51-55, illus. Jl.1930.

B.L. Richards, botanist and plant pathologist.

New Books.

Beger, H.

Praktische richlinien der strukturellen assoziationsforschung im sinne der von der Zürich-Montpellier-schule geübten methode. In Abderhalden, E. Hanbuch der biologischen arbeitsmethoden. abt.XI, t.5,h.3 (lfg.327): 481-526. 1930.

Bonnier, G. & Douin, R.

Flore complète illustrée en couleurs de France...Suisse et Belgique. v.11, fasc. 104, col. pl. 619-624. [1930]

New Books. (cont.)

Combes, R.
Les dicotylédones gamopétales. Cours professé à la Faculté des sciences de Paris par Raoul Combes... 4 v. Paris, R. Guillon, 1928-29.
Mimeographed.

Elliott, C.
Manual of bacterial plant pathogens. Baltimore, Williams & Wilkins, 1930.

Hoehne, F. C.
Observações geraes e contribuições ao estudo da flora e phytophysionomia do Brasil II. Araucarilandia. São Paulo, Ap.1930

Jávorka, S. & Csapody, V.
A Magyar flóra képekben (Iconographia florae Hungariae) v.1-4. Budapest, K. Magyar természettudományi társulat, 1929-30

Kummer, K.
Anbau von araneipflanzen. Hannover, M. & H. Schaper. 1930

Lüdi, W.
Die methoden der suksezzionsforschung in der pflanzensoziologie. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt. XI, t.5, h.3. (lfg.327): 527-728. illus., fold.tab. 1930.

Summers. F.
The improvement of yield in Hevea brasiliensis. Singapore, Kelly & Walsh, 1930.

Webel, A.
A German-English technical and scientific dictionary. London, G. Routledge & sons, 1930.
A separate section containing 5000 references is devoted to botany.

Translations filed in Library of Bur. of Plant Industry.

Balabukha-Poptsova, V.
Issledovanie pektinovykh veshchesty tabak. (Studies in pectin substances of tobacco) [Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest.) Krasnodar. no.59. 25 p.1929.

Pfaltzer, A.C.B.
Het vrucht- en bladvuur van de komkommer... (The fruit blight and leaf-spot of the cucumber, Cladosporium cucumerinum Ell. et Arth. and Corynespora melonis (Cooke)Lindau) Baarn, 1927.

Correction.

V.12, no.15, p.30 under Exper. Stat. Publ. McCallan (first entry) should read Cornell Agr. Exp. Stat. Mem. 128. Whetzel & McCallan, the same.

BOTANY

CURRENT LITERATURE

OCT 1930
PLANT IN

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 12, no. 19. Sept.2-13,1930.

Abhandl. Naturhist. Ges. Nürnberg.

Gauckler, K.

Das südlich-kontinentale element in der flora von Bayern. Mit besonderer berücksichtigung des fränkischen stufenlandes. Abhandl. Naturhist. Ges. Nürnberg. v.24(Sonderbd.) 110 p. 1930.

Acta Soc. Fauna et Flora. Fennica. (Helsingfors)

Buch, H.

Neun für Finnland neue lebermoose. Acta Soc. Fauna et Flora Fennica. v.55, no.6. 8 p. 1929 (1925). (Rec'd S.1930) no.6.

Cedercreutz, C.

Finnländische zygnemalen. Acta Soc. Fauna et Flora Fennica; v.55, no.2. 7 p. illus. 1929 (1924) (Rec'd S.1930) no.2.

Eklund, O.

Beitrage zur flora der insel Wormsö in Estland. Acta Soc. Fauna et Flora Fennica. v.55, no.9. 136 p. illus. (incl.map), pl. i-iv. 1929 (Rec'd S.1930). no.9.

Eklund, O.

Systematik und verbreitung der gattung Oxycoccus Hill. In Fennoscandia orientalis. Acta Soc. Fauna et Flora Fennica. v.55, no.4, 16 p. 1929(1926). (Rec'd S.1930). no.4.

Fontell, C. W.

Om brak- och saltvattendiatomacéers förekomst i sött vatten i närheten av kusten. Acta Soc. Fauna et Flora Fennica. v.55, no. 7. 19 p. 1929 (1926). (Rec'd S.1930). no.7.

Grönblad, R.

Observations on some desmids. Acta Soc. Fauna et Flora Fennica. v.55, no.3. 19 p. pl. i-ii. 1929(1924) (Rec'd S.1930) no.3.

Acta Soc. Fauna et Flora. Fennica. (cont.)

Kotilainen, M. J.

Beobachtungen über die mossvegetation und moosflora in nw-Enontekiö in Lappland. Nebst einigen allgemeimen erörterungen über die ökologie der hochgebirgspflanzen besonders der moose. Acta Soc. Fauna et Flora Fennica. v.55, no.1. 69 p. illus. (incl.map) 1929 (1924) (Rec'd S.1930). no.1.

Marklund, G.

Nya Taraxaca. Acta Soc. Fauna et Flora Fennica. v.55, no.5. 25 p. iv pl. 1929(1925) (Rec'd S.1930). no.5.

Waren, H.

Untersuchungen über sphagnumreiche pflanzengesellschaften der moore Finnlands. Acta Soc. Fauna et Flora Fennica. v.55, no.8. 133 p. ix pl. 1929(1926). (Rec'd S.1930). no.8.

Amer. Journ Pharm. (Philadelphia)

England, J. W.

Plant patents. Amer. Journ. Pharm. 102: 483-485. Ag.1930. no.8.

Amer. Nat.

Malhotra, R. C.

Can sex ratio be altered in dioecious plants? Amer. Nat 64: 470-473. S./O. 1930. no.694.

Thompson, W. P.

Causes of difference in success of reciprocal interspecific crosses. Amer.Nat. 64: 407-421. S./O. 1930. no.694.

Ann. di Bot. (Roma)

Brofferio, I.

Osservazioni sullo sviluppo delle Calycanthaceae. Ann. di Bot. 18: 387-394. pl. xviii. Jl.1930. no.3.

Carano, E.

Di due graminacee che tendono a diventare spontanee nell'Orto Botanico di Roma. Ann. di Bot. 18: 409-410. Jl.1930. no.3.

Ann. di Bot. (cont.)

Chiovenda, E.
La posizione sistematica del genere Collenucia Chiov. Ann. di Bot. 18: 323-324. Jl.1930. no.3.
Section of Jatropha including J. paradoxa and J. marginata.

Colla, S.
Formazione della clorofilla nelle piante esposte alla luce di Wood. Ann. di Bot. 18: 329-349. pl. x-xiv. Jl. 1930. no.3.

Lusina, G.
Contributo alla conoscenza della flora della Dancalia (Africa orientale). Ann. di Bot. 18: 403-407. Jl.1930. no.3.

Maria, V.
Osservazioni sulla embriologia di Daphniphyllum macropodum Miq. Ann. di Bot. 18: 395-401. pl.xix. Jl. 1930. no.3.

Negodi, G.
Fondamenti dell'organizzazione fiorale in Petunia hybrida hort. Ann. di Bot. 18: 305-321. illus. Jl.1930. no.3.

Negodi. G.
Sporofilli e gametofiti in Urtica caudata Vahl. Ann. di Bot. 18: 325-328. Jl.1930. no.3.

Negodi, G.
Ulteriori osservazioni su distribuzioni sessuali in spighe normali ed anomale di Urtica caudata Vahl. Ann. di Bot. 18: 359-371. illus. Jl. 1930. no.3.

Poli, A.
Alcune questioni di parole. Ann. di Bot. 18: 351-357. Jl.1930. no.3.

Valeria, B. & Ada, G.
Sullo sviluppo del gametofito femminile in Tulipa gesneriana L. Ann. di Bot. 18: 373-386. pl. xv-xvii. Jl.1930. no.3.

Ann. Rep. Nova Scotia Fruit Grow. Assoc.

Brittain, W. H.

Some aspects of the pollination problem in the apple orchard. Ann. Rep. Nova Scotia Fruit Grow. Assoc. 66(1930): 79-94. 1930.

Hockey, J. F.

Miscellaneous comments on diseases of the 1929 apple crop in Nova Scotia. Ann. Rep. Nova Scotia Fruit Grow. Assoc. 66(1930): 62-66. 1930.

Arb. Biol. Reichsanst. Land- u. Forstw. Berlin.

Brehmer, W. v. & Bärner, J.

Ueber die viruskrankheiten bei der kartoffel. Arb. Biol. Reichanst. Land- u. Forstw. 18: 1-54. illus., col. pl. My.1930 (Rec'd S.) no.1.

Goffart, H.

Rassenstudien an Heterodera schachti Schm. I. Arb. Biol. Reichanst. Land- u. Forstw. Berlin. 18: 83-100. illus. My.1930 (Rec'd S.) no.1.

Scheibe, A.

Studien zum weizenbraunrost, Puccinia triticina Erikss. III. Ueber die geographische verbreitung der einzelnen physiologischen formen und formenkreise in Deutschland und in seinen angrenzenden gebieten. Arb. Biol. Reichanst. Land- u. Forstw. 18: 55-82, illus. (maps) My. 1930 (Rec'd S.) no.1.

Arch. Sci. Biol. (Arkh. Biol. Nauk)

Shchepkina, T. B.

... Données complémentaires à l'étude anatomique-microchimique du kénaf (Hibiscus cannabinus). Arch. Sci. Biol. (Arkh. Biol. Nauk) 30: 377-388. illus. 3 col. pl. 1930. no.3.

Russian with French summary.

Bergcultures. (Batavia, Java)

Bally, W.

Eeninge opmerkingen omtrent bladafval door Phytophtihora bij Hevea. Bergcultures. 4: 56-57. illus. Ja.18, 1930 (Rec'd Ag.) no.3.

Bergcultures (cont.)

Bally, W.
Nieuwe wortelschimmels bij koffie. Bergcultures. 3: 1669-1675. illus. S.28, 1929 (Rec'd Ag.1930) no.65.

Bally, W.
Topsterfte. Bergcultures. 3: 939-953. illus. Mr.16, 1929. (Rec'd Ag. 1930). no.37.

Bobilioff, W.
Enkele beschouwingen over modern methoden van bespuiten en bestuiven bij het bestrijden van plantenziekten. Bergcultures. 3: 1662-1665. S.28, 1929 (Rec'd Ag.1930). no.65.

Bobilioff, W.
Resultaten van de meeldauwproeven op Pondok Gedeh. Bergcultures. 3: 1977-1982. D.21, 1929. no.77. (Rec'd Ag.1930)

Gandrup, J.
Phytophthora-aantasting van jonge oculaties. Bergcultures. 3: 1839-1840. N.16, 1929 (Rec'd Ag. 1930). no.72.

Heusden, W.C.v.
Enkele mededeelingen over de meeldauw-bestrijdingsproeven bij 's Lands Caoutchoucberdrijf in 1929. Bergcultures. 3: 1665-1667. S.28, 1929 (Rec'd Ag. 1930). no.65.

Jacob. J. C.s'.
De huidige stand van de Hevea-selectie in Oost-Java. Bergcultures. 4: 485-492. My.10, 1930. (Rec'd Ag.) no.19.

Peelen, J.R.C.
Aanleg van kapokaanplantigen in verband met optreden van bruine wortlschimmel. Bergcultures. 4: 572-580. illus. My.31, 1930 (Rec'd Ag.) no.22.

Punt, C. D.
Meeldauwbestrijding met zwavel middels het bjorklund verstuivingsapparaat. Bergcultures. 3: 1611-1613. S.14, 1929 (Rec'd Ag.1930). no.63.

Bergcultures (cont.)

Ramaer, H.

Twee Heveaplanten uit een zaad. Bergcultures. 3: 1267-1269. illus. Je.15, 1929 (Rec'd Ag.1930) no. 50.

Steinmann, A.

Over het gebruik van chemische middelen bij de bestrijding van wortelschimmels. Bercultures. 4: 223-228. Mr.1, 1930. (Rec'd Ag.) no.9.

Steinmann, A.

Overzicht van de ziekten en plagen van groenbemesters over 1929. Bergcultures. 4: 403-405. Ap.19, 1930 (Rec'd Ag.) no.16.

Vollema, J. S.

Meeldauw en bemesting. Bergcultures. 3: 1975-1977. D.21, 1929 (Rec'd Ag.1930). no.77.

Vries, O.de.

Aanwijzingen voor rui- en meeldauwopnamen. Bergcultures. 3: 1345-1347. J.6, 1929 (Rec'd Ag. 1930). no.53.

Vries, O.de.

Meeldauwbestrijding van uit vliegtuigen. Bergcultures. 3: 1982-1985. D.21,1929 (Rec'd Ag.1930). no.77.

Biochem. Zeitschr. (Berlin)

Stoklasa, J., Čakir, J.& Pěnkava, J.

Die assimilation des kohlendioxydes unter dem einflusse der radioaktivität im laufe der vegetative entwicklung der chlorophyllhaltigen zelle. Biochem. Zeitschr. 224: 101-134. illus. Jl.29, 1930. no.1/3.

Bol. Agr. São Paulo.

Hoehne, F. C.

As plantas ornamentaes da flora brasilica e seu papel como factores da salubridade publica, da esthética urbana e artes decorativas nacionaes. (cont.) Bol. Agr. São Paulo. 31: 390-412. illus., 4 pl. My./Je. 1930. no.5/6.

Bull. Mens. Soc. Nat.Hort. France. (Paris)

Chevalier, C. C.

Monographie des Bromeliacees-tillandsiees (etude botanico-horticole). Bull. Mens. Soc. Nat. Hort. France. V.3: 337-367. Jl.1930.

Bull. Min. Agr. Egypt Techn. & Sci. Serv.

Nattrass, R. M.

A note on two Marssonina diseases on willows. Bull. Min. Agr. Egypt. Techn. & Sci. Serv. 99, 19 p. xviii pl. 1930.

M. kriegeriana on Salix tetrasperma; M. salicicola on S. capreae.

Bull. Pop. Inform. Morton Lab. (Lisle, Ill.)

Kammerer, E. L.

Some interesting shrubs with gray foliage. Bull. Pop. Inform. Morton Arb. 5: 25-28. Ag.25, 1930. no. 7.

Bull. Soc. Mycol. France. (Paris)

Brebinaud, P.

Lepiota excoriata Schaeff. Ses véritables caractères et ses particularités. Bull. Soc. Mycol. France. 46: 78-83. Ag. 1930. no.1.

Gilbert, E. J.

Histoire critique du genre Pilosace. Bull. Soc.Mycol. France. 46: 74-77. Ag.1930. no.1.

Josserand, M.

Note sur deux mycènes: **Mycena flavo-alba** (Fr.) Q. et M. floridula (Fr.) Q. Bull.Soc.Mycol. France. 46: 38-42. pl.i. Ag.1930. no.1.

Maublanc, A. & Malençon, G.

Recherches sur le Battarraea guicciardiniana Ces. Bull. Soc. Mycol. France. 46: 43-73. illus. pl.ii-v. Ag.1930. no.1.

Nicolas, G. & Aggery, Mlle. B.

Phyllosticta ambiguella Sacc. est réellement parasite de Ficus rubiginosa Desf. Bull.Soc. Mycol. France. 46: 84-85. Ag.1930. no.1.

Bull. Soc. Mycol. France. (cont.)

Offner, J.

Nocivité de l'Entoloma rhodopolium (Fr.) Quél. Bull. Soc. Mycol. France. 46: 86-90. Ag.1930. no.1.

Bull. So. Calif. Acad. Sci. (Los Angeles)

Bauer, H. L.

On the flora of the Tehachapi Mountains, California. Bull. So. Calif. Acad. Sci. 29: 96-99. My./Ag. 1930. no.2.

Davidson, A.

Horsfordia alata Gray. Bull. So. Calif. Acad. Sci. 29: 100. My./Ag. 1930. no.2.

O Campo (Rio de Janeiro)

Rangel, E.

Doenças das plantas. O Campo 1(7): 22-23. illus. Jl.1930. no.7.

Schmidt, F.

O guarana, sua cultura e industria. O Campo. 1(7): 74-79. illus. Jl.1930. no.7.

Paullinia cupana & P. sorbilis.

Citrus Riv. Camera Agrum. Messina.

Musmarra, A.

Il male del secco. Citrus Riv. Camera Agrum. Messina. II, 16: 284-286. Jl.1930. no.7.

Petri, L.

Attività dell' osservatorio istituto a S. Teresa di Riva per lo studio del mal secco dei limoni. Citrus Riv. Camera Agrum. Messina. II.16: 246-248, 281-284. Je., Jl.1930. no. 6, 7.

Compt. Rend. Acad. Sci. Paris.

Dangeard, P.

Sur l'obtention, aux dépens des laminaires, d'un complexe iodé labile. Compt. Rend. Acad. Sci. Paris. 191: 337-339. Ag.18, 1930. no. 7.

Empire For. Journ.

Burtt Davy, J.

Botanical notes on Empire trees. Empire For. Journ. 9: 116-124. 1 pl. 1930. no.1.

Empire For. Journ. (cont.)

Legat, C. E.

The cultivation of exotic conifers in South Africa. Empire For. Journ. 9: 32-63. 2 pl. on 1. 1930. no.1.

Sykes, R. A.

Some notes on the Benin forests of Southern Nigeria. Empire For. Journn. 9: 101-106. map. 1930. no.1.

Ward, F. K.

The forests of the North-East frontier of India. Empire For. Journ. 9: 11-31. 2 pl. on 1. map. 1930. no.1.

Erdész.Kisérl. (Hungary) (Sapron)

Magyar, P.

Növényökológiai vizsgálatok szikes talajon. (Pflanzenökologische untersuchungen auf szikböden). Erdész. Kisérl. (Hungary). 32: 75-113. illus. Jl. 1930. no.1.

German summary: p.237-256.

Fertiliser, Feeding Stuffs & Farm Supplies Journ.

Wakely, C. T. N.

Dry dusts for seed dressing. Fertiliser, Feeding Stuffs & Farm Supplies Journ. 15: 475-477. illus. Ag.20, 1930. no.17.

Forstarchiv. (Hannover)

Falck, R.

Nachweise der humusbildung und humuszehrung durch bestimmte arten höherer fadenpilze im wald- boden. Forstarchiv. 6: 366-377. illus. Ag.15, 1930. no.16.

Gard. Chron. (London)

Carne, W.M., Pittman, H.A. & Elliott, H. G.

Bitter pit in apples. Gard. Chron. III, 88: 177-178. Ag.30, 1930. no.2279.

"The present position of the bitter pit problem in Australia" a paper presented... at the Imperial horticultural conference, Aug.5-7, 1930.

Gard. Chron. (cont.)

Cook, H. H.

Mushroom culture. Gard. Chron. III, 88: 178-179. Ag.30, 1930. no.2279.

Ward, F. K.

Rhododendrons and scent. Gard. Chron. III, 88: 174-175. Ag.30, 1930. no.2279.

Gard. Chron. Amer.

McCully, A.

Gardens by the sea. Plants that adapt themselves to cliffs and shores are easily found. Gard. Chron. Amer. 34: 339-340,353. illus. S.1930. no. 9.

Genetics.

Mangelsdorf, P. C.

The inheritance of dormancy and premature germination in maize. Genetics. 15: 462-494. illus. S.1930. no.5.

Gladiolus Rev. (Goshen, Ind.)

Denny, F. E.

Shortening the rest period of gladiolus by treatment with chemicals. Gladiolus Rev. 7: 313-318. illus. S.1930. no.9.

Maple, J. B.

Methods of transmission of disease from old corm to new corm. Gladiolus Rev. 7: 319-320. illus. S. 1930. no. 9.

Indian For. (Dehra Dun)

Parker, R. N.

Saccharum arundinaceum Retz. and S. procerum Roxb. Indian For. 56: 339-341. pl.33. Ag.1930. no.8.

Usually considered the same, seem to be distinct species.

Indische Cult. (Soerbaja)

Kamerling, Z.

Bekende en merkwaardige Indische planten in woord en beeld. Indische Cult. 15: 593-596. illus. (p.588, 589) Jl.16, 1930. no.14.

V. Vergiftige cardol bevattende planten (Anacardium occidentale (djamboe monjet) en Gluta renghas L. (renghas)

Izv. Severo-Kavkaz. Kraev. Stan. Zashch. Rast. (Bull. North Caucas. Plant Prot. Stat.)

Lobik, A. I.

... Ueber den Merulius lacrymans im Nord-Kaukasus. Izv. Severo-Kavkaz. Kraev. Stan. Zashch. Rast. (Bull. North Caucas. Plant Prot. Stat.) 5: 169-172. 1930.

Russian with German summary.

Lobik, V. I.

... Prüfung der wirkung des formalins und des kohlensäure, kupfers auf den getreidebrand des hafers (Ustilago avenae (Pers.) Jens.) Izv. Severo-Kavkaz. Kraev. Stan. Zashch. (Bull. North Caucas. Plant. Prot. Stat.)5: 149-154. 1930.

Russian with German summary.

Journ. Agr. Res. (Washington, D.C.)

Christopher, W. N. & Edgerton, C.W.

Bacterial stripe diseases of sugarcane in Louisiana. Journ. Agr. Res. 41: 259-267. illus. Ag.1, 1930 (Ag.29) no.3.

Two diseases discussed, red stripe and top rot caused by Phytomonas rubrilineans; mottled stripe caused by Phytomonas rubrisubalbicans n.sp.

Kyle, C.H.

Relation between the vigor of the corn plant and its susceptibility to smut (Ustilago zeae) Journ. Agr. Res. 41: 221-231. Ag.1, 1930 (Ag.29) no.3.

Loucks, K. W.

Some physiological studies of Phytomonas citri. Journ. Agr. Res. 41: 247-258. illus. Ag.1, 1930. (Ag.29): no.3.

Smith, C. O. & Fawcett, H. S.

A comparative study of the citrus blast bacterium and some other allied organisms. Journ. Agr. Res. 41: 233-246. illus. Ag.1, 1930 (Ag.29). no.3.

Bacterium cerasi, B. citriputeale & B. syringae. With present knowledge of group would hesitate to place these three organisms in a single species, should this be done, B. syringae would be the correct name.

Journ. Amer. Chem. Soc.

Drake, N.L. & Spies, J. R.

Mannitol from Haplophyton cimicidum. Journ. Amer. Chem. Soc. 20: 3732. S.1930. no.9.

Moore, E. D.

Chemical studies on pollen and pollen extracts. I. Distribution of nitrogen extracted by various solvents. Journ. Amer. Chem. Soc. 52:3591-3596. illus. S.1930. no.9.

Journ. Bacteriol.

Wilson, E. D.

Studies in bacterial proteases. I. The relation of protease production to the culture medium. Journ. Bacteriol. 20: 41-59. Jl.1930. no.1.

Journ. Bot. (London)

British museum. Dept. of botany. Herbarium.

Notes from the British museum herbarium. Journ. Bot. 68: 244-246. Ag.1930. no.812.

Polygala hagerupii, Bucida megaphylla, Combretum minutiflorum, Heliophila slateri. n.spp.

Godfery, M. J.

Further notes on the fertilization of Ophrys fusca and O.lutea. Journ. Bot. 68: 237-238. Ag.1930. no.812.

Riddelsdell, H. J.

Sudre and the British Rubi. Journ. Bot. 68: 240-244. Ag. 1930. no.812.

Tanaka, T.

Enumeration of Indian species of Rutaceae-aurantioideae (Revisio aurantiacearum VI). Journ. Bot. 68: 225-236. Ag. 1930. no.812.

Glycosmis parkinsonii, Paramignya beddomei, n. spp.; Glycosmis mauritiana comb.nov., var. angustifolia var. nov., Atalantia simplicifolia, Severinia monophylla, comb.nov.

Turrill, W. B.

Influence of the Suez Canal on the marine phanerogamic flora of the eastern Mediterranean. Journ. Bot. 8: 238-240. Ag.1930. no.812.

Journ. Dept. Agr. Victoria. (Melbourne)

Grieve, B. J.

Rose diseases and their control. Journ. Dept. Agr. Victoria. 28: 385-396. illus. Jl. 1930. no.7.

Journ. Dept. Agr. West. Austral. (Perth)

Gardner, C. A.

Enumeratio plantarum Australiae occidentalis pt. II. (Proteaceae - Papilionaceae). 34 p. Je. 1930 (Suppl. Journ. Dept. Agr. West. Austr. s.2, v.7,no.2.)

Gardner, C. A.

The wild turnip. (Brassica tournefortii, Gouan.) Journ. Dept. Agr. West. Austral. II,7: 393-397. illus., 1 pl. Je.1930. no.2.

Limbourn, E. J.

Bunt resistance tests, 1929. Journ. Dept. Agr. West.Austral. II, 7: 326-327. Je. 1930. no.2.

Pittman, H. A.

"Black spot" or "scab" of apples and pears in Western Australia. Journ. Dept. Agr. West. Austral. II, 7: 241-263. illus. Je. 1930. no.2.

Journ. Ecol. (Cambridge, Engl.)

Brenchley, W. E. & Warington, K.

The weed seed population of arable soil. I. Numerical estimation of viable seeds and observations on their natural dormancy. Journ. Ecol. 18: 235-272. pl. xii. Ag.1930. no.2.

Leach, W.

A preliminary account of the vegetation of some non-calcareous British screes (Gerölle). Journ. Ecol. 18: 321-332. pl. xiii-xiv. Ag.1930. no.2.

Marsden-Jones, E. M. & Turrill, W. B.

Report on the transplant experiments of the British ecological society at Potterne, Wilts. Journ. Ecol. 18: 352-378. Ag.1930. no.2.

Journ. Ecol. (cont.)

Marsden-Jones, E. M., Summerhayes, V. S. & Turrill, W.B.
Special herbaria as adjuncts to modern botanical research. Journ. Ecol. 18: 379-383. Ag. 1930. no.2.

Pearsall, W. H.
Phytoplankton in the English lakes. I. The proportions in the waters of some dissolved substances of biological importance. Journ. Ecol. 18: 306-320. Ag.1930. no.2.

Phillips, J.
Some important vegetation communities in the central province of Tanganyika territory (formerly German East Africa). A preliminary account. Journ. Ecol. 18: 193-234. Ag. 1930. no.2.

Thomas, R. N.
Flora of paper-mill lime waste dumps near Glasgow. Journ. Ecol. 18: 333-351. illus. pl.xv. Ag. 1930. no.2.

Journ. Indian Bot. Soc. (Madras)

Blatter, E.
A proposed revision of the flora of British India. Journ. Indian Bot. Soc. 9: 140-150. Jl. 1930. no.2/3.

Börgesen, F.
Some Indian green and brown algae especially from the shores of the presidency of Bombay. Journ. Indian Bot. Soc. 9: 151-174. illus. ii pl. Jl.1930. no.2/3.

Likhité, V. N.
Virus diseases of the tomato. Journ. Indian Bot. Soc. 9: 114-125. Jl.1930. no.2/3.

Rau, N. S.
On reduction division in the pollen-mother-cells of Cyanotis cristata. Journ. Indian Bot. Soc. 9: 79-113. 6 pl. Jl.1930. no.2/3.

Sethi, M. L.
Microsporogenesis in Cassia didymobotrya. Journ. Indian Bot. Soc. 9; 126-139. illus., iii pl. Jl. 1930. no.2/3.

Landw. Wochenschrift.
Hülsenberg, H.
1930 - ein jahr der fusskrankheiten bei weizen. Landw. Wochenschrift. 88: 607-608. illus. Ag.27, 1930. no.35.

Leopoldina. (Leipzig)
Weigelt, J.
Neue pflanzenfunde aus dem Mansfelderkupferschiefer. Leopoldina. 6: 643-668. illus., ii pl. 1930.

Madroño. (San Francisco)
Campbell, D.H.
Some notes on the Brazilian flora. Madroño 2; 1-8. illus. Ag. 1930. no.1.

Howell, J. T.
Plantae occidentales. - I. Madroño. 2: 11-15. Ag.1930. no.1.
? Purpusia arizonica. n.sp.

Mason, H. L.
The Santa Cruz Island pine. Madroño. 2: 8-10. Ag.1930. no.1.
Pinus remorata.

Mem. Imp. Coll. Trop. Agr. Trinidad Mycol. Ser.
Briton-Jones, H. R.
Observations on cypre (Cordia alliodora L.) in Trinidad with special reference to canker disease (Puccinia cordiae (P.Henn.) Arthur). Mem. Imp. Coll. Trop. Agr. Trinidad Mycol. Ser. no.3. 8 p. pl. i-ii. S.1930.

Mezögazd. Kutat. Budapest.
Schilberszky, K.
A borbolya-cserje irtásának a jelentösége és a fekete gabonarozsda. (Die ausrottung des berberitzenstrauches und der getreideschwarzrost). Mezögard. Kutat. Budapest. 3: 3-25. Ja. 1930. no.1.

Mitt. Biol. Reichanst. Landw. u. Forstw. Berlin.
Berlin. Biologische reichsanstalt für land- und forstwirtschaft.
Krankheiten und beschädigungen der kulturpflanzen im jahre 1926. Its Mitt. 40. 159 p. illus. (maps) Mr.1930 (Rec'd Jl.)
Leiter: E. Werth (Sections on plant diseases by H. Pape; potato wart by O. Schlumberger)

Mitt. Biol. Reichanst. Landw. u. Forstw. Berlin. (cont.)

Boas, J.

Die untersuchung der keimpflanzen als hilfsmittel der sortenfeststellung beim wiezen. In Sortenstudien bei weizen und futterrüben. Mitt. Biol. Reichsanst. Landw. u. Forstw. Berlin. 39: 39-62. illus. 1930.

Snell, K.

Beitrag zur morphologie und systematik der weizensorten. In Sortenstudiem bei weizen und futterruben. Mitt. Biol. Reichsanst. Land- u. Forstw. Berlin. 39: 5-37. illus. 1930.

Snell, K.

Vorarbeiten zu einer sortenkunde der futterrüben. In Sortenstudien bei weizen und futterrüben. Mitt. Biol. Reichsanst. Land. u. Forstw. Berlin. 39: 63-79. illus., 2pl. 1930.

Mycologia. (Lancaster, Pa.)

Diehl, W.W. & Lambert, E. B.

A new truffle in beds of cultivated mushrooms. Mycologia. 22: 223-226. pl. 27. S./O. 1930. no.5.

Pseudobalsamia microspora.

Hagelstein, R.

Mycetozoa from Jones Beach State Park. Mycologia. 22: 256-262. S./O. 1930. no.5.

Lond Island, N.Y.

Hedrick, J.

New species of lichens from Porto Rico.-IV. Mycologia. 22: 247-255. S./O. 1930. no.5.

Hein, I.

Soy-bean stover compost for mushroom culture. Mycologia. 22: 227-231. S./O. 1930. no.5.

Morse, E. E.

A new chanterelle in California. Mycologia. 22: 219-220. pl.24-25. S./O. 1930. no.5.

Cantharellus bonarii.

Overholts, L. O.

Mycological notes for 1928-1929. Mycologia. 22: 232-246. pl.23-31. S./O. 1930. no.5.

Mycologia. (cont.)

Seaver, F. J.

Photographs and descriptions of cup-fungi. XIII. Subhypogeous forms. Mycologia. 22: 215-218. pl. 22-23. S./O. 1930. no.5.

Smith, E. C.

Trametes hispida a destructive parasite in apple orchards. Mycologia. 22: 221-222. pl.26. S./O. 1930. no.5.

Nature. (London)

Norris, R. V.

Spike disease of sandal wood. Nature. 126: 311. Ag.30, 1930. no.3174.

Ramage, H.

Mushrooms - mineral content. Nature. 126: 279. Ag. 1930. no.3173.

Oesterr. Zeitschr. Kartoffelb. (Wien)

Köck, G.

Was ist bei der kartoffelernte und bei der kartoffeleinlagerung vom pflanzenschuszlichen standpunkt aus zu beachten? Oesterr. Zeitschr. Kartoffelb. 1930: 47-51. S.1930. no.3.

Papers & Discuss. Conf. Emp.Meteor.

Blackman, V. H.

Agricultural meteorology in its plant physiological relationships. Papers & Discuss. Conf. Emp. Meteor. 1929(Agr.Sect.): 21-33. 1929 (Rec'd S.1930)

Foister, C.E.

The relation of weather to plant diseases. Papers and Discuss. Conf. Emp. Meteor. 1929 (Agr. Sect.): 168-220. 1929 (Rec'd S.1930).

Hornby, A. J. W.

Weather and tobacco. Papers & Discuss. Conf. Emp.Meteor. 1929(Agr.Sect.): 57-66. 1929 (Rec'd S.1930).

Martin, F. J.

Climate, crops and soils in British tropical colonies. Papers & Discuss. Conf. Emp. Meteor. 1929(Agr.Sect.): 42-56. 1929 (Rec'd S.1930)

Papers & Discuss. Conf. Emp.Meteor.

Taylor, H. V.

Meteorological research and fruit production. Papers & Discuss. Conf. Emp. Meteor. 1929(Agr. Sect.): 95-120. 1929(Rec'd S.1930).

Tincker, M.A.H.

The varietal response of the plant to the length of day. Papers & Discuss. Conf. Emp. Meteor. 1929(Agr.Sect.): 34-39. 1929(Rec'd S.1930).

Perfum. & Essent. Oil Rec.(London)

Water lilies in the perfumer's art. Perfum. & Essent. Oil Rec. 21: 345-348. illus. Ag.1930. no.9.

Pharm. Journ. (London)

Holmes, E. M.

Abnormal digitalis blossom. Pharm. Journ. 125: 225. illus. Ag.30, 1930. no.3487.

Phytopath.

Boyd, O. C.

A bacterial disease of tung-oil tree. Phytopath. 20: 756-758. illus. S.1930. no.9.

Clara, F. M.

A new bacterial leaf disease of tobacco in the Philippines. Phytopath. 20: 691-706. 3 pl. S. 1930. no.9.

Phytomonas polycolor.

Dillon Weston, W.A.R.

Ineffective nature of iodine dust as a fungicide against Tilletia caries. Phytopath. 20: 753. S. 1930. no.9.

Eddins, A. H.

A new Diplodia ear rot of corn. Phytopath. 20: 733-742. illus. S.1930. no.9.

D. frumenti.

Henry, A. W.

Inheritance of immunity from flax rust. Phytopath. 20:707-721. 2 pl. S.1930. no.9.

Phytopath. (cont.)

Leach, J. G.
The identity of the potato blackleg pathogene. Phytopath. 20: 743-751. S.1930. no.9.
The bacteria previously designated as B. phytophthorus Appel, B. astrosepticus van Hall, B. solanisaprus Harrison, and B. melanogenes Peth., and Murph. are merely strains of the earlier-described species, B. carotovorus Jones.

Lewis, I. M.
Growth of plant pathogenic bacteria in synthetic culture media with special reference to Phytomonas malvaceara. Phytopath. 20: 723-731. S.1930. no.9.

Long, W. H.
Polyporus dryadeus, a root parasite on white fir. Phytopath. 20: 758-759. S.1930. no.9.
On Abies concolor.

Long, W. H.
Some microscopic characters of the rot caused by Ganoderma curtisii. Phytopath. 20: 758. S. 1930. no.9.
On live oak, Quercus virginiana.

Proc. Wash. State Hort. Soc.

Fisher, D. F. & Reeves, E. L.
Recent studies on perennial canker. Proc. Wash. State Hort. Assoc. 25: 155-166. illus. (1930)

Magness, J.R., Overley, F.L. & Luce, W.A.
Relation of leaf area to size and quality of apples and pears. Proc. Wash. State Hort. Assoc. 25: 167-170. (1930)

Tufts, W.P. & Davis, L. D.
Hard-end or black-end of pears in California. Proc. Wash. State Hort. Assoc. 25: 108-115. (1930)

Vandecaveye, S. C.
Soil and its relation to bud rosette. Proc. Wash. State Hort. Assoc. 25: 180-183. (1930)
Physiological trouble.

Quart. Journ. Rubber Res. Inst. Malaya.

Beeley, F.

A recent outbreak of secondary leaf-fall due to Oidium heveae. Quart. Journ. Rubber Res. Inst. Malaya. 2: 61-65. 1 pl. Je.1930. no.2.

Cost of sulphur dusting for Oidium leaf disease. Quart. Journ. Rubber Res. Inst. Malaya. 2: 66-67. Je. 1930. no.2.

Rep. New England Cranberry Sales Co.

Stevens, N.E.

The keeping quality of cranberries in the 1929 crop and the use of the incubator test. Rept. New Engl. Cranberry Sales Co. 1929/30: 33-38. 1930.

Rev. Bot. Appl. (Paris)

L'oeuvre des voyageurs-naturalistes et du Jardin des plantes depuis sa fondation jusqu'a la révolution Rev. Bot. Appl. 10: 463-479. Je.1930.

L'oeuvre des voyageurs-naturalistes et du jardin des plantes depuis la révolution jusqu'a nos jours. Les moyens actuels de travail du Muséum pour l'étude des plantes coloniales. Rev. Bot. Appl. 10: 480-498. Je.1930.

Rev. Centro Estud. Agron. y Vet. Univ. Buenos Aires.

Cabrera, A. L.

Compuestas platenses. Clave para la determinación de los genéros. Rev. Centro Estud. Agron. y Vet. Univ. Buenos Aires. 21: 17-48. illus. 1929; 23: 24-51. illus. 1930. no.139, 140.

Rhodora. (Boston)

Blake, S. F.

The typification of Scirpus capitatus L. Rhodora. 32: 182-185. S.1930. no.381

Eaton, R. J.

Tripsacum dactyloides in Massachusetts. Rhodora. 32: 185. S.1930. no.381.

Farwell, O. A.

What is Scirpus capitatus Linn? Rhodora. 32: 180-181. S.1930. no.381.

Rhodora. (cont.)

Fogg, J.M., jr.

The flora of the Elizabeth Islands, Massachusetts. (cont.) Rhodora. 32: 167-180. S.1930. no.381.

Hemenway, A. F.

Some new methods and combinations in plant microtechnique. Science. 72: 251-252. S.5, 1930. no.1862.

Knowlton, C. H.

Note on Aster amethystinus. Rhodora. 32: 185-186. S.1930. no.7.

Schrift. Phys.-Oekon. Ges. Königsb.

Gams, H. & Ruoff, S.

Geschichte, aufbau und pflanzendecke des Zehlaubruches. Monographie eines wachsenden hochmoores in Ostpreussen. Schrift. Phys.-Oekon. Ges. Königsb. 66(1, Zehlau-heft): 1-192. pl.i-xxviii. 1929.

Schweiz. Obst.- u. Gartenb. Zeit. (Münsingen)

Fischer, E.

Pilzkrankheiten unserer garten-ziersträucher. Schweiz. Obst.- u. Gartenb. Zeit. 1930: 289-290. S.1, 1930. no.17

I. Nochmals der Sclerotinien-krankheit von Cydonia japonica. II. Eine krankheit von Mahonia aquifolium.

Science. (Lancaster, Pa.)

Bower, F. O.

Size and form in plants. Science. 72: 227-233. S.5, 1930. no.1862.

Address of the president Brit. Assoc. Advancement Sci., Bristol, S.3, 1930.

Burtt-Davy, J.

The origin of Symphoricarpus. Science. 72: 220. Ag.29, 1930. no.1861.

Note on article by K. Sax & D.A. Kribs, "Chromosomes and phylogeny in Caprifoliaceae" in Journ. Arnold Arb. v.11, no.3.

Maury, C. J.

Correlation of Antillean fossil floras. Science. 72: 253-254. S.5, 1930. no.1862.

Science. (cont.)
Sirks, M. J.
The International horticultural congress. Science. 72: 239-240. S.5, 1930. no.1862.

So. African Gard. (Johannesburg)
Barnes, P.E. & Bolus, L.
Plants -- New or noteworthy. South African plants cultivated in the National Botanic Gardens - Kirstenbosch. (cont.) Androcymbium. So. African Gard. 20:250. illus. Ag.1930. no.8.

Bolus, L.
Mesembrianthemum and allied genera (cont.) So. African Gard. 20: 253. illus. Ag.1930. no.8.
Pleiospilos pedunculatus n.sp.

Phillips, E. P.
A brief historical sketch of the development of botanical science in S.A. and the contribution of South Africa to botany. (cont.) So. African Gard. 20: 257-259. Ag. 1930. no.8.

Succulenta. (Leeuwarden)
Duursma, G. D.
Nog een vergeten cactus. Succulenta. 12: 185-187. illus. S. 1930. no.9.
Opuntia boliviana.

Tijdschr. Plantenz. (Amsterdam)
Bruyn Ouboter, M.P.de.
Tylenchus devastatrix Kühn uit narcis en hyacinth (concl.). Tijdschr. Plantenz. 36: 178-228. illus. diagrs. 1930. no.8.

Trans. & Proc. Roy. Soc. So. Austr.
Black, J. M.
Additions to the flora of South Australia, no.27. Trans. & Proc. Roy. Soc. So. Austr. 53: 261-263. D.1929 (Rec'd Ag.1930).
Danthonia geniculata, D. auriculata, Cladium gracile, Correa calycina n.spp.

Colquhoun, T. T.
Polarity in Casuarina paludosa. Trans. & Proc. Roy. Soc. So.Austr. 53: 353-358. illus. D.1929 (Rec'd Ag.1930).

Trans. & Proc. Roy. Soc. So.Austr. (cont.)

Lucas, A. H. S.
A census of the marine algae of South Australia. Trans. & Proc. Roy. Soc. So. Austr. 53: 45-53. D.1929 (Rec'd Ag.1930).

Prescott, J. A.
The vegetation map of South Australia. Trans. & Proc. Roy. Soc. So. Austr. 53: 7-9. illus.(maps) D.1929 (Rec'd Ag.1930).

Wood, J. G.
Floristics and ecology of the Mallee. Trans. & Proc. Roy. Soc. So. Austr. 53: 359-378. illus. (map) D.1929(Rec'd Ag.1930).

Trans. Iowa Hort. Soc.

King, C. M.
Blooming dates for Ames and Lansing, 1929 (cont.) Trans. Iowa Hort. Soc. 64: 135-142. (1930)

Maney, T. J.
Controlling crown gall on apple trees by an improved method of root grafting. Trans. Iowa. Hort. Soc. 64: 23-26. 4 pl. on 2. (1930)

Porter, R. H.
Cedar rust control. Trans. Iowa Hort. Soc. 64: 65-68. (1930)

Trans. Roy. Canad. Inst.

Adams, J.
A bibliography of Canadian plant geography to the end of the year 1920 (concl.),1921-25. Trans. Roy. Canad. Inst. 17: 227-265, 267-295. Jl.1930. no.2.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)

Kanehira, R.
True "pau hoi" tree of China a new species. Trop. Woods, Yale Univ. Sch. For. 23: 8. S.1, 1930.
Machilus pauhoi.

Record, S. J.
Identity of the "junipappeeywa" of Hans Staden. Trop. Woods, Yale Univ. Sch. For. 23:5. S.1,1930.
Genipa americana.

Trop. Woods, Yale Univ. Sch. For. (cont.)
Record, S. J. & Kuylen, H.
Santa Marta Valley, Colombia. Trop. Woods, Yale Univ. Sch. For. 23: 9-23. S.1, 1930.

Standley, P.C.
A new Inga from British Honduras. Trop. Woods, Yale Univ. Sch. For. 23: 7. S.1, 1930.
I. stevensonii.

U.S. Dept. Agr. Techn. Bull.
Shapovalov, M. & Beecher, F.S.
Experiments on the control of tomato yellows. U.S. Dept. Agr. Techn. Bull.189. 23 p. 4 pl.on 2. Jl.1930 (Rec'd Ag.)

Zeitschr. Parasitenk.
Böning, K.
Beiträge zur kenntnis des parasitischen verhaltens von Pseudomonas tabaci Wolf et Foster, des "wildfeuer" erregers am tabak. Zeitschr. Parasitenk. 2: 645-755. illus. Ag.9,1930. no.5.

Stapp, C.
Beiträge zur kenntnis des Bacterium sepedonicum Spieckerm. et Kotth., des erregers der "bakterienringfaule" der kartoffel. Zeitschr. Parasitenk. 2: 756-823. illus. (part col.) Ag.9, 1930. no.5.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin)
Brown, V. E.
Cytoplasmic inclusions of Euglena gracilis Klebs. Zeitschr. Zellforsch. & Mikrosk. Anat. 11: 244-254. illus., pl. ii-iv. (part.col.) Ag.13, 1930. no.2.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie)
Aleksandrov, V. G. & Aleksandrova, O.
... Ueber stengelgefässbündel der sonnenblume als objekt der experimentalanatomie. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 255-278. illus. 1930. no.3.
Russian with German summary.

Alekseev, A. M.
... Zur kenntnis der einwirkung supramaximaler temperaturen auf die pflanze. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 479-488. 1930. no.4.
Russian with German summary.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Artsikhovskaja, H. V.

... Antholysis of the tomato. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 453-458. illus. 1930. no.4.

Russian with English summary.

Busch, N. A.

... Revue des travaux sur la flore et la végétation de la Crimée, du Caucase et du Transcaucase. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 335-364. 1930. no.3.

Russian.

Elenkin, A. A.

... Sur les relations réciproques des systèmes généalogique et combinatif basées sur la classification des lichens. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 233-254. 1930. no.3.

Russian with French summary.

Grossheim, A. A.

... Quelques formes nouvelles et critiques de la flore du Caucase. Zhurn. Russk. Bot. Obshch. (Journ. Soc.Bot. Russie) 14: 297-315. illus. 1930. no.3. Russian with Latin diagnosis of new species.

Illichevsky, S. O.

... Ueber N. Stojanoff's aufsatz "Ueber die gesetzmässigkeit in der blütezeit und verteilung von blütentypen. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 331-334. 1930. no.3.

Russian with German summary.

Pavlova, N. M.

... Die wege zur erforschung der art Myosotis palustris With. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 425-452. 1930. no.4.

Russian with German summary.

Perfiliev, I.

... Betulaceae eines torfmoores in der umgebung der stadt Wologda. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 369-415. illus. 1930. no.4.

Russian with Latin diagnosis.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Poplavskaja, G. I.

... Zur methodik des absteckens von Raunkiaer'schen probeflachen bei vegetationsforschungen. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 317-320. illus. 1930. no.3.

Russian with German summary.

Proshkina-Lavrenko, A.

... Le phytoplankton des rivières dans les steppes de l'Ukraine orientale I. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 209-231. 1930. no.3.

Russian.

Rozanova, M.

... Les réorganisations chromosomales et les mutations de genes sous l'action des rayons X et du radium. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 321-329. 1930.

Russian.

Sambuk, F.V.

... Uebersicht zweier Delphinium-arten. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 417-424. illus. 1930. no. 4.

Russian with Latin diagnosis.

D. retropilosum, D. litwinowi, n.spp.

Sidorin, M.I.

... Sur le jaunissement des feuilles en automne (Études d'écologie végétale). Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 14: 459-478. illus. 1930. no.4.

Russian with French summary.

Sochava, V. B.

... Ueber die enstehung des areals einiger pflanzen der Uralflora. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 14: 279-296. illus. 1930. no.3.

Russian with German summary.

Zuckerrübenbau (Hannover)

Görbing, J.

Kalkzustand und wurzelentwicklung der zuckerrübe. Zuckerrübenbau. 12: 125-136. illus. Ag.1930. no.8.

Exper. Sta. Publ.

Carrick, D. B.

Some cold-storage and freezing studies on the fruit of the vinifera grape. Cornell Agr. Exp. Stat. Memoir 131. 37 p. illus., pl. i (col.) Ag.1930.

Horsfall, J. G.

A study of meadow-crop diseases in New York. Cornell Agr. Exp. Stat. Mem. 130. 139 p. illus. Je. 1930.

Peltier, G. L.

Plant diseases. Ann. Rep. Nebraska Agr. Exp. Stat. 42(1928/29): 31-36. 1930.

Bolley, H. L.

Botany and pure seed. North Dakota Agr. Exp. Stat. Exp. Stat. Prog. (Bienn.Rep.) 1927/29: 45-51. Mr. 1930 (Rec'd S.)

Brentzel, W. E.

Plant pathology. North Dakota Agr. Exp. Stat. Progr. (Bienn. Rep.) 1927/29: 97-105. illus. Mr. 1930 (Rec'd S.)

Mayoue, G. C.

Barberry eradication. North Dakota Agr. Exp. Stat. Exp. Stat. Progr. (Bienn.Rep.) 1927/29: 51-52 Mr. 1930 (Rec'd S.)

Hansen, N. E.

The shade, windbreak, and timber trees of South Dakota. So. Dakota Agr. Exp. Stat. Bull. 246. 48 p. illus. Mr. 1930.

State Publications.

Alden, C. H.

Peach insects and diseases and how to control them. Georgia State Bd. Ent. Bull. 71. 22 p. pl. i-xiii. Ja.1930 (Rec'd S.)

Boyd, O. C.

Experimental dusting and spraying of watermelon anthracnose. Georgia State Bd. Ent. Bull. 72. 50 p. illus. Mr. 1930 (Rec'd S.)

New Books

Breazeale, J. M.
Color schemes of cacti. Tucson, University of Arizona, Je. 1, 1930.

Castle, W. E.
Genetics and eugenics. 4th rev. ec. Cambridge, Harvard university press, 1930.

Gardner, C. A.
Vegetation map of Western Australia. Perth, Forests dept., 1928.

Hall, C. A.
Trees. London, A. & C. Black, 1930.

Handel-Mazzetti, H.
Symbolae sinicae... 5. teil. Hepaticae von W.E.Nicholson, T. Herzog & F. Verdoorn. Wien, J. Springer, 1930.

Harris, J. K.
Activities of the Department of botany, University of Minnesota 1928. Minneapolis, 1930.

Levyns, Mrs. M. R.
A guide to the flora of the Cape Peninsula. Cape Town, Johannesburg, Juta & Co., [1929]

Marshall, R. C.
Notes on the silviculture of the more important timber trees of Trinidad and Tobago, with information on the formation of woods. Trinidad, 1930.

Memmler, K.
Handbuch der kautschukwissenschaft... Leipzig, S. Hirzel, 1930.
Botanik, gewinnung, kultur und aufbereitung des kautschuk, von A. Zimmermann: p.23-183.

Rendle, A. B.
The classification of flowering plants. 2d ed. v.l. Gymnosperms and Monocotyledons. Cambridge, University pres, 1930.

Ruschmann, W.
Banane. Berlin-Charlottenburg & Leipzig, Deutscher auslandverlag, 1929 (Bangerts auslandbücherei, nr.36, Wohltmann-bücher, bd.8)

New Books. (cont.)

Wilson, F. G.
Forest trees of Wisconsin. How to know them. [n.p.] 1928.

Bresadola, J.
Iconographia mycologica. v.13-14. Mediolani, 1930.

Translations filed in Library of Bur. of Plant Industry.

Bolle, P. C.
De roodestrepenziekte (Red stripe disease). Arch. Suikerind. Nederl.-Indië v.36, pt.3 (Meded. 22): 1147-1218. 1929.

Bolle, P. C.
Verdere onderzoekingen over pokkahboeng en toprot (Further investigations in pokkahboeng and toprot). Arch. Suikerind. Nederl.-Indië. 36: 112-129. F.1928.

Snieszko, S. & Lachowicz, A.
Serologiczne badania nad rasami buraków (Recherches sérologiques sur les races de betteraves) (Serological investigations respecting the races of beets). Bull. Intern. Acad. Polon. Sci. et Lett. Cl. Sci. Math. et Nat. Ser. B, 1927: 1229-1241. 1928

Non-current indexing.

Arb. Inst. Allg. Bot. Univ. Zurich.

Walther, E.
Entwicklungsgeschichtliche und zytologische untersuchungen an einigen nitellen. Arb. Inst. Allg. Bot. Univ. Zürich. s.2, no. 11. 1929.
Inaug.-diss. Univ. Zürich.
Separatabdruck aus dem Archiv der Julius Kalus - Stiftung... bd.4, h.1.

Compt. Rend. Soc. Biol. Paris.

Verplancke, G.
Une maladie "à virus filtrant" des Anthurium. Compt. Rend. Soc. Biol. Paris. 103: 524-526. F.21, 1930. no. 7.
A. andraeanum, A. scherzianum.

Non-current indexing (cont.)

Denkschr. Bayer. Bot. Ges. Regensb.

Killermann, S.

Pilze aus Bayern. Kritische studien, bes. zu M. Britzelmayr; standortsangaben u. (kurze) bestimmungstabellen. III. Cortinarius, Paxillus. Denkschr. Bayer. Bot. Ges. Regensb. 17(n.f., 11): 1-78. pl. x-xi. 1928.

Deut. Forsch. Notgemeinsche. Deut. Wiss.

Bauer, E.

Die praktische bedeutung der wissenschaftlichen arbeit auf dem gebiete der pflanzenzuchtüng. In Deut. Forsch. Notgemeinsch. Deut. Wiss. 9: 39-42. 1929.

Gassner, G.

Die bekämpfung von pflanzenkrankheiten. In Deut. Forsch. Notgemeinsch. Deut. Wiss. 9: 10-16. 1929.

Mothes, K.

Pflanzenphysiologische untersuchungen über den eiweiss- und alkaloidstoffwechsel. In Untersuchungen über den stoffwechsel der pflanzen. Deut. Forsch. Notgemeinsch. Deut. Wiss. 8: 57-63. 1929.

Noack, K.

Untersuchungen zur kohlensäuressaimilation und chlorophyllbildung in den pflanzen. In Untersuchungen über den stoffwechsel der pflanzen. Deut. Forsch. Notgemeinsch. Deut. Wiss. 8: 64-98. 1929.

Pringsheim, E. G.

Die befreiung des saatgutes von anhaftenden mikroorganismen und ihre bedeutung in theorie und praxis. In Untersuchungen über den stoffwechsel der pflanzen. Deut. Forsch. Notgemeinsch Deut. Wiss. 8: 99-126. 1929.

Rühland, W.

Entwicklungsphysiologische untersuchungen aus dem Botanischen institut zu Leipzig. In Untersuchungen über den stoffwechsel der pflanzen. Deut. Forsch. Notgemeinsch. Deut. Wiss. 8: 52-56. 1929.

Non-current indexing (cont.)

Deut. Forsch. Notgemeinsch. Deut. Wiss. (cont.)

Ruhland, W., Ullrich, H. & Wetzel, K.
Untersuchungen über den pflanzlichen stoffwechsel aus dem Botanischen institut zu Leipzig. In Untersuchungen über den stoffwechsel der pflanzen. Deut. Forsch. Notgemeinsch. Deut. Wiss. 8: 16-51. 1929.

Jahresh. Ver. Vaterl. Naturk. Württemberg. (Stuttgart)

Bertsch, K.
Blütenstaubuntersuchungen im württembergischen Neckargebiet. Jahresh. Ver. Vaterl. Naturk. Wurttemberg. 85: 1-42. illus. 1929.

Hanemann, J.
Ergebnisse der floristischen durchforschung des ostlichen und nordöstlichen teils von Württemberg. II. Die Keuperhöhenzuge. Jahresh. Ver. Vaterl. Naturk. Württemberg. 85: 62-109. 1929.

Heckel, G.
Beiträge zur flora des nordwestlichen Württemberg. Jahresh. Ver. Vaterl. Naturk. Württemberg. 85: 110-137. 1929.

Kreh, W.
Pflanzensoziologische beobachtungen an den Stuttgarter wildparkseen. Jahresh. Ver. Vaterl. Naturk. Württemberg. 85: 175-203. illus. 1929.

Lotos. (Prag)

Beck-Mannagetta, G.
Algenfunde im Riesengebirge. Ein zweiter beitrag zur kenntnis der algenflora des Riesengebirges. Lotos. 77: 92-100. illus. My./D. 1929. no.5/12.

Langecker, H.
Die pharmakognosie des Polygonatum officinale und Polygonatum multiflorum. Lotos. 77: 147-162. My./D. 1929. no. 5/12.

Mem. Dept. Agr. Trinidad & Tobago.

Freeman, W. G. & Williams, R. O.
The useful and ornamental plants of Trinidad and Tobago. 2d. ed. rev. Mem. Dept. Agr. Trinidad and Tobago. 4. 192 p. 1928.

Non-current indexing (cont.)

Mém. Soc. Linn. Normandie.
Perrier de la Bathie, H.
Les dioscoréacées de Madagascar. Mém. Soc. Linn. Normandie. n.s., Sect.Bot. v.1, fasc. 2. 47 p. 4 pl. N.15, 1928.

Mem. & Proc. Manchester Lit. & Phil. Soc.
Walton, J.
On the structure of a palaeozoic cone-scale and the evidence it furnishes of the primitive nature of the double con-scale in the conifers. Mem. & Proc. Manchester Lit. & Phil. Soc. 73: 1-6. pl. 1929.

Weiss, F. E.
On the occurrence of Stigmaria lohesti Suz. Lecl. in the British coal measures. Mem. & Proc. Manchester Lit. & Phil. Soc. 73: 129-134. pl.8. 1929.

Nurseryman.
Hansen, A. A.
New weed killer valuable in the nursery. Nurseryman. 1(5): 10-12. illus. S.1929.
Sodium chlorate.

Peterm. Mitt. (Gotha)
Krämer, A.
Der taro und die nasskultur. Peterm. Mitt. 74: 165-172. illus. 1928

Phil. Trans. Roy. Soc. London.
Gates, R. R. & Sheffield, F.M.L.
Chromosome linkage in certain Oenothera hybrids. Phil. Trans.Roy.Soc. London. Ser.B. 217: 367-395. illus., pl.89-90., fold.tab. Mr.1930. no.B446.

Harris, T. M.
Schizopodium davidii gen. et sp.nov. - a new type of stem from the Devonian rocks of Australia. Phil. Trans. Roy. Soc. B,217: 395-410. illus., pl. 91-93. Jl. 1929. no. B447.

Holden, H. S.
On the structure and affinities of Ankyropteris corrugata. Phil.Trans.Roy.Soc. B,217: 79-114. illus., pl.7-10. Ja. 1930. no. B452.

Non-Current indexing (cont.)

Phil. Trans. Toy. Soc. London. (cont.)

Sahni, B.

On Clepsydropsis australis, a zygopterid tree-fern with a Tempskya-like false stem, from the carboniferious rocks of Australia. Phil.Trans. Roy. Soc. B.217: 1-37. illus., pl. 1-6. Jl.1928. no.B440.

Spisy Přírod. Fak. Masaryk. Univ. (Publ. Fac. Sci. Univ. Masaryk)

Podpěra, J.

Musci insulae rossicae prope Vladivostok. Ad bryophytorum orientis extremi cognitionem additamentum. Spisy Přírod. Fak. Masaryk. Univ. (Publ. Fac. Sci. Univ. Masaryk) 1929, no. 116. 40 p. illus. 1929. no.116.

Trudy Nauchno-Issled. Lab. Otrav. Veshch. (Rep. Work. Lab. Study Pois. Subst.)

Aleksandrovskaja-Ivanova, Z. V.

... Influence of soil moisture on germination and crops of wheat treated with formalin. Trudy Nauchno-Issled. Lab. Otrav. Veshch. (Rep.Work Lab. Study Pois. Subst.) 5: 23-33. 1928.

Russian with English summary.

Sigrianskaja, N. D.

....Formalin and smut. Trudy Nauchno-Issled. Lab. Otrav. Veshch. (Rep. Work Lab. Study Pois. Subst.) 5: 1-21. 1928.

Russian with English summary.

Trudy Severo-Kavk. Assots. Nauchno-Issled. Inst. (Arb.Nordkaukas. Assoc. Wiss. Inst.)

Novopokrovsky, I. V.

... Beiträge zur kenntnis der vegetation der Manytsch-steppe. Trudy Severo-Kavk. Assots. Nauchno-Issled. Inst.(Arb. Nordkaukas. Assoc. Wiss. Inst.) no. 70. 64 p. illus.(map) 1929.

Russian with German summary.

U. S. Geol Surv. Bull.

Mertie, J. B.

The Chandalar-Sheenjek district, Alaska. U.S. Geol. Bull. 810-B: 87-139. illus.(map) fold.map. 1929.

Flora (determined by P.C.Standley) p.106-109.

Non-current indexing (cont.)

State Publications.

Boyd, O. C.

A new leaf spot of pecan. Georgia State Bd. Ent. Circ. 40. 8 p. F.1928.

Cylindrosporium caryigenum.

Correction.

v. 12, no. 18, p. 34

Verh. Intern. Kongr. Forstl. &c

2d entry, author's name should be Lagerberg

v. 12, no. 18, p. 33

U. S. Dept. Agr. Misc. Publ.

Author's name should be Sievers.

copy

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

L... OCT 2[illegible] 1930 ... PLANT IN...

Vol. 12, no. 20. Sept.15-27, 1930.

Agr. Res. Work Sudan Rep.

Bailey, M. A.
Anglo-Egyptian Sudan. Report on the work on cotton carried out by the plant breeding section, Department of agriculture and forests, season 1928/29. Agr. Res. Work Sudan Rep. App. 1928/29: 146-196. [1930]

Massey, R. E.
A preliminary statement on leaf curl disease of cotton, June,1929. Agr. Res. Work Sudan Rep. 1928/29: 181-183. [1930]

Massey, R. E.
Report by the government botanist on plant pathology for season 1928-29. Agr. Res. Work Sudan Rep. 1928/29: 167-180. 1 fold.pl. [1930]

Amer. Midl. Nat. (Notre Dame, Ind.)

Hoskins, J. H.
Contributions to the coal measure flora of Illinois. Amer. Midl.Nat. 12: 154-159. 4 pl. on 3. S.1930. no.5.

Amer. Potato Journ.

Folsom, D.
Net necrosis versus stem-end browning in Aroostook potatoes. Amer. Potato Journ. 7: 251-256. S.1930. no.9.

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol.

Barker, B.T.P.
Investigations on the fungicidal action of sulphur. IV. Third progress report. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1929: 130-148. 1 pl. [1930]

Marsh, R.W. & Maynard, J. G.
Supplementary note on the control of black walnut currant leaf spot. Ann. Rept. Agr. & Hort. Res. Stat. Univ. Bristol. 1929: 166-167. [1930]

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. (cont.)

Maynard, J. G.

The economics of spraying fruit trees. II. The cost of summer and winter washing, 1929 and 1930. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1929: 168-175. [1930]

Ogilvie, L.

Observations on the diseases of market-garden crops in the Vale of Evesham. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1929: 149-154. [1930]

Spinks, G. T.

Self-fertility and self-sterility in cider varieties of apples. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1929: 28-33. [1930]

Swarbrick, T.

Root regeneration upon transplanted apple rootstocks. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol. 1929: 40-46. 4 pl. [1930]

Arb. Biol. Reichsanst. Land- u. Forstw. Berlin.

Bartosch, J.

Untersuchungen über die vererbung der knollengestalt bei der kartoffel. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin. 18: 117-151. My.1930 (Rec'd S.)

Untersuchungen zur genetik der kartoffel, hrsg. von K.O. Müller, III.

Frenzel, H.

Beiträge zur spezialisierung der haferkronenrostes, Puccinia coronifera f. sp. avenae Kleb. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin. 18: 153-176. My.1930 (Rec'd S.) no.2.

Köhler, E. & Lemmerzahl, J.

Ueber die prüfung von kartoffelsorten im gewächshaus auf ihr verhalten gegen den kartoffelkrebs (Synchytrium endobioticum) Arb. Biol. Reichsanst. Land- u. Forstw. Berlin. 18: 177-188. My.1930 (Rec'd S.) no.2.

Arch. Protistenk. (Jena)

Bachmann, E.
Die gallen zweier laubflechten. Arch. Protistenk. 71: 323-360. illus. Ag.25, 1930. no.2.

Ercegović, A.
Sur quelques types peu connus des cyanophycées lithophytes. Arch. Protistenk. 71: 361-376. illus. S.25, 1930. no.2.
I. Pleurocopsa Thur. et Scopulonema Erceg. II. Solentia Erceg. et Hormathonema Erceg. III. Clef analytique de quelques genres des Chamaesiphonées.

Ber. Oberhess. Ges. Nat. u. Heilk. Giessen.

Faber, K.
Die salzstellen und die salzflora der Provinz Hessen-Nassau und ihrer nachbargebiete. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. 13: 49-130. illus., 4 pl. on 2. 1930.

Meigen, W. & Spilger, L.
Aufforderung zur pflanzengeographischen durchforschung Hessens. Ber. Oberhess. Ges. Nat. u. Heilk. Giessen. 13: 1-10. 1930.

Better Crops. (New York)

Combs, L. R.
Weed killers. Better Crops. 15(2): 27, 55-56. illus. Ag.1930.
Sodium chlorate, calcium chlorate.

Wilcox, U. V.
X-rays for plants. Better Crops. 15(2): 11-14, 54. illus. Ag.1930. no.2.

Biochem. Zeitschr. (Berlin)

Faitelowitz, A.
Zur kenntnis des nikotinabbaus im tabak. Biochem. Zeitschr. 224: 459-470. Ag.11, 1930. no.4/6.

Metzner, P.
Ueber die abgabe fluoreszierender stoffe durch quellende samen und früchte. Biochem. Zeitschr. 224: 448-458. Ag.11, 1930. no.4/6.

Biochem. Zeitschr. (cont.)

Runehjelm, D.

Mikro-eisen-bestimmungen an chlorophylldefekten blättern. Biochem. Zeitschr. 224: 481-486. Ag.11, 1930. no.4/6.

Wada, M.

Ueber citrullin, eine neue aminosäure im pressaft der wassermelone, Citrullus vulgaris Schrad. Biochem. Zeitschr. 224: 420-429. illus. Ag.11, 1930. no.4/6.

Biull. Gosud. Nikitsk. Opytn. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita) (Ialta)

Maleev, V. P.

... Ornamental plants of the Crimean flora. Biull. Nikitsk. Opytn. Bot. Sada. (Bull. Gov. Bot. Gard. Nikita) 5. 67 p. illus. 1930.

Russian.

Bol. Minn. Agr. Argentine. (Buenos Aires)

Nieves, R.

Investigaciones sobre la herencia de los caracteres en el trigo (cont.) Bol. Min. Agr. Argentine. 29: 177-186. illus. Ap./Je. 1930 (Rec'd S.) no.3.

Boll. R. Staz. Patol. Veg. Roma. (Firenze)

Peglion, V.

La formazione dei conidi e la germinazione delle oospore della "Sclerospora macrospora" Sacc. Boll. R. Staz. Patol. Veg. Roma. n.s., 10: 153-164. illus. Ap./Je. 1930. no.2.

Petri, L.

La nutrizione minerale delle piante in rapporto alla predisposizione o alla resistenza di queste a cause patogene. Boll. R. Staz. Patol. Veg. Roma. n.s.,10: 121-152. Ap./Je. 1930. no.2.

Petri, L.

Ulteriori ricerche sulla morfologia, biologia e parassitismo della "Deuterophoma tracheiphila". Boll. R. Staz. Patol. Veg. Roma. n.s., 10: 191-221. illus. Ap./Je. 1930. no.2.

Boll. R. Staz. Patol. Veg. Roma. (cont.)

Sibilia, C.

Ricerche morfologiche e sperimentali su un micromicete termofilo (Acremoniella thermophila Curzi). Boll. R. Staz. Patol. Veg. Roma. n.s.,10: 222-280. illus. pl.iii-vi. Ap./Je.1930. no.2.

Sibilia, C.

Richerche sulle ruggini dei cereali. II. La germinazione delle teleutospore di "Puccinia graminis" e "P.triticina". Boll. R. Staz. Patol. Veg. Roma. n.s.,10: 164-190. illus. Ap./Je.1930. no.2.

Bot. Gaz. (Chicago)

Graustein, J. E.

Evidences of hybridism in Selaginella. Bot. Gaz. 90: 46-74. illus. S.1930. no.1.

Imai, Y.

Is fasciated a frequently mutating character? Bot. Gaz. 90: 116-118. S.1930. no.1.

Johansen, D. A.

Studies on the morphology of the Onagraceae. II. Embryonal manifestations of fasciation in Clarkia elegans. Bot. Gaz. 90: 75-91. illus. S.1930. no.1.

Lutz, H. J.

A new species of Cupressinoxylon (Goeppert) Gothan from the jurassic of South Dakota. Bot. Gaz. 90: 92-107. illus. S.1930. no.1.

Stokey, A. G.

Prothallia of the Cyatheaceae. Bot. Gaz. 90: 1-45. illus. S.1930. no.1.

Woodworth, R. H.

Cytological studies on the Betulaceae. IV. Betula, Carpinus, Ostrya, Ostryopsis. Bot. Gaz. 90: 108-115. illus. S.1930. no.1.

Bull. Counc. Sci. & Ind. Res. Austr. (Melbourne)

Samuel, G., Bald, J. G. & Pittman, H. A.

Investigations on "spotted wilt" of tomatoes. Bull. Counc. Sci. & Ind. Res. Austr. 44. 48 p. 17 pl. on 9, (1 col.) 1930.

Bull. Misc. Inform. Kew. (London)

Burkill, I. H.
Sir George Watt. Bull. Misc. Inform. Kew. 1930: 328-330. 1930. no.7.

Craib, W.G. & Geddes, E. T.
Contributions to the flora of Siam. Additamentum XXVIII. Bull. Misc. Inform. Kew. 1930: 313-327. no.7.

Fischer, C. E. C.
Impatiens barnesii. Bull. Misc. Inform. Kew. 1930: 330. 1930. no.7.
I. neo-barnesii nov.nom.

Gilliat-Smith, B. & Turrill, W.B.
On the flora of the Nearer East. VI. Bull. Misc. Inform. Kew. 1930: 273-312. no. 7.

Howes, F. N.
Chenopodium nuttalliae, a Mexican cereal. Bull. Misc. Inform. Kew. 1930: 332-333. 1930. no.7.

Bull. Miyazaki Coll. Agr. & For.

Hino, I.
Notes on sclerotia of the causal organism of milk vetch rot. Bull. Miyazaki Coll. Agr. & For. 2: 93-112. 1930.
Sclerotinia trifoliorum on Astragalus sinicus.

Hino, I. & Katô, H.
Notes on the "bukuryô", sclerotia of Pachyma hoelen, Rumph. Bull. Miyazaki Coll. Agr. & For. 2: 77-91. pl.viii-x. 1930.

Matubara, S.
Studies on the relation between flowering season and fruit setting in Eriobotrya japonica. Bull. Miyazaki Coll. Agr. & For. 2: 45-59. 1930.
Japanese with English summary.

Miyazawa, B.
Paeonia albiflora Pallas in Europe and America. Bull. Miyazawa Coll. Agr. & For. 2: 61-76. 1930.
Japanese with English summary.

Bull. Pan Amer. Union.

Cook, Orator, F.

The debt of agriculture to tropical America. Bull. Pan Amer. Union. 64: 874-887. illus. S. 1930. no.9.

Bull. Soc. Bot. Genéve.

Beauverd, G.

Observations complémentaires sur le polymorphisme des Erythronium. Bull. Soc. Bot. Genéve. 21: 286-288. Jl.1929/My.1930. no.2.

Beauverd, G.

Polymorphisme et hybridité du Senecio uniflorus All. Bull. Soc. Bot. Genéve. 21: 290-293. Jl.1929/My.1930. no.2.

Beauverd, G.

Une race d'Acer opalus Mill. à fruits pourprés. Bull. Soc. Bot. Genéve. 21: 268-270. Jl.1929/My. 1930. no.2.

Lendner, A.

Détermination de mucorinées. (Deux mucors nouveaus) Bull. Soc. Bot. Genéve. 21: 256-263. illus. Jl.1929/My.1930. no.2.

Mucor indicus, M. buntingii.

Meylan, C.

Barbula rufa (Lor.) et B. kneuckeri (Loeske et Osterw.) Bull. Soc. Bot. Genéve. 21: 264-267. Jl.1929/My. 1930. no.2.

Bull. Soc. Centr. For. Belgique. (Bruxelles)

Regnier, R.

Note sur le chancre du peuplier. Bull. Soc. Centr. For. Belgique. 37: 362-365. Ag.1930. no.8.

Bull. Soc. Hist.Nat. Afr. Nord. (Alger)

Frémy, P.

Contribution à la flore algologique de l'Algérie et de la Tunisie. Bull. Soc. Hist. Nat. Afr.Nord. 21: 74-75. pl.vi. S./O. 1930. no.5.

Maire, R.

Une graminée nouvelle de l'Afrique du Nord. Bull. Soc. Hist. Nat. Afr. Nord. 21: 76. S./O. 1930. no.5.

Libyella maroccana.

Bull. R. Soc. Tosc. Ortic. (Firenze)

Rinaldi, Z.

Le prunee ornamentali. Bull. R.Soc. Tosc. Ortic. 55: 16-19, 36-41. illus. Ja./Ap., My./Ag. 1930. no.1/4, 5/8.

Bull. Torr. Club.

Cotton, M.

Toxic effects of iodine and nickel on buckwheat grown in solution cultures. Bull. Torr. Club. 57: 127-140. F.1930 (Rec'd S.) no2.

Emmons, C. W.

Coniothyrium terricola proves to be a species of Thielavia. Bull. Torr. Club. 57: 123-126. illus., pl.4. F.1930 (Rec'd S.) no.2.

Evans, A. W.

Three species of Scapania from western North America. Bull. Torr. Club. 57: 87-111. illus. F.1930(Rec'd S.) no.2.

S.bolanderi, S. americana, S. granulifera, n.sp.

Harris, J. A., Pascoe, T.A. & Jones, I.D.

Note on the tissue fluids of Phoradendron juniperinum parasitic on Juniperus utahensis. Bull. Torr. Club. 57: 113-116. F.1930 (Rec'd S.) no.2.

Saeger, A.

A method of obtaining pure cultures of Spirodela polyrhiza. Bull. Torr. Club. 57: 117-121. F.1930 (Rec'd S.) no.2.

Canada Exp. Farms. Circ.

Groh, H.

Horsetail a horse-poisoning weed. Canada Exp. Farms Circ. 74. 3 p. illus. 1930.

Centralbl. Bakt. Abt.II. (Jena)

Grüss, J.

Die gärungserscheinungen der Nymphaea-kokken. C. phyllosepticus I und C. zymophyllosepticus II. Centralbl. Bakt. Abt.II. 81: 402-407. S.4, 1930. no.15/22.

Riede, W.

Der abbau der kartoffel. Centralbl. Bakt. Abt.II. 81: 321-334. S.4, 1930. no.15/22.

Chem. & Ind.

Tomkins, R.G. & Woodman, R.M.
Stalk treatment of fruit and vegetables for the prevention of stalk rot, with special reference to bananas. Chem. & Industr. 49: 285t-287t. Je.27, 1930. no.26.

Citrus Indust. (Tampa, Fla.)

Bach, W. J.
Gummosis and psorosis of citrus trees. Citrus Indust. 11(9): 10, 27, 34. S.1930. no.9.

Fudge, B. R.
Soil acidity and its relation to growth of citrus. Citrus Indust. 11(9): 4-6. S.1930. no.9.

Collegium. (Ober-Ramstadt)

Appelius, W. & Keigueloukis, L.
Die unterscheidung von pflanzlichen gerbstoffen mit hilfe von antipyrin-salzsäure und der quarzlampe. Collegium. 7: 330-333. 1930. no.723.

Sors, P.
Der sauerampfer,die neue gerbpflanze. Collegium 7: 324-329. 1930. no.723.
Rumex.

Il Coltivatore. (Casale Monferrato)

Fracanzani, G. A.
Fasciazione del mais. Il Coltivatore. 76: 184-188. illus. Ag.30 1930. no.24.

Compt. Rend. Acad. Sci. Paris.

Blaringhem, L.
Sur un hybride autofertile d'aegilope et de blé (Aegilops ovata L. x Triticum dicoccum Schub. var. ajar Percival). Compt. Rend. Acad. Sci. Paris. 191: 362-366. Ag.25, 1930. no.8.

Emberger, L.
Sur l'étage de végétation. Compt. Rend. Acad. Sci. Paris. 191: 418-420. illus. S.1, 1930. no.9.

Emberger, L.
Sur une formule climatique applicable en géographique botanique. Compt. Rend. Acad. Sci. Paris. 191: 389-391. Ag.25, 1930. no.8.

Compt. Rend. Soc. Phys. e Nat. Hist. Genève.

Briquet, J.

Ludwig Radlkofer. 1829-1927. Compt. Rend. Soc. Phys. & Hist. Nat. Genève. 47: 5-8. Ja./Mr. 1930. no.1.

Briquet, J.

Le nombre des carpelles dans la fleur des campanules. Compt. Rend. Soc. Phys. & Hist. Nat. Genève. 47: 20-24. Ja./Mr. 1930. no.1.

Contr. Bot. Cluj. Roumanie.

Borza, A.

Observatiuni fitosociologice pe Insel Şerpilor. (Phytosoziologische beobachtungen auf der Schlangeninsel im Schwarzen Meere). Contr. Bot. Cluj, Roumanie. v.1, fasc.11. 16 p. 1 fold. pl. 1930.

German translation: p.7-16.

Borza, A.

Problema protecţiunei naturii in România. (The problem of the protection of nature in Roumania). Contr. Bot. Cluj, Roumanie. v.1, fasc.21. 35 p. illus., 1 fold.map. 1930.

English abstract: p.29-35.

Brandza, M.

Quelques myxomycètes nouveaux récoltes en Moldavie. Contr. Bot. Cluj, Roumanie. v.1, fasc.12. 4 p. 2 pl. 1930.

Bujor, P.

Noui contributiuni la studiul biologiei lacului Tekirghiol (Nouvelle contribution à l'etude de la biologie du lac salé de Tékirghiol). Contr. Bot. Cluj, Roumanie. v.1, fasc.13. 13 p. 1930.

French résumé: p.5-13.

Bujorean, G.

Aparate noua pentru masurarea factorilor ecologici. (Neue apparate zur messung der ökologischen faktoren) Contr. Bot. Cluj, Roumanie. v.1, fasc.20. 3 p. 1930.

German summary: p.2-3.

Grintescu, I.

Culturile pure şi importanta lor in studiul algelor, al schizoficeelor şi al ciupercilor. Contr. Bot. Cluj, Roumanie. v.1, fasc.14. 3 p. 1930.

Contr. Bot. Cluj. Roumanie. (cont.)

Pop, E.
Spectrul polinic al turbei de la Colacel (Bucovina) (Pollenspektrum des moores von Colacel (Bucovina) Contr. Bot. Cluj, Roumanie. v.1, fasc.15. 7 p. 1930.
German summary: p.5-6.

Popescu, C. T.
Influenţa grefsjului asupra longevitaţii hypobiontului şi epibiontului de la fasole. Contr. Bot. Cluj, Roumanie. v.1, fasc. 15. 3 p. 1930.

Prodan, I.
Plantae novae et criticae. Contr. Bot. Cluj, Roumanie. v.1, fasc.17. 16 p. illus. 1930.
In German.
Agropyron berezovcanum, Achillea páterii, A. leptophylloides, A. botzana, Centaurea odessana n.spp.

Solacolu, T.
Analyse pollinique de la turbe de "Poiana-Stampei". Contr. Bot. Cluj Roumanie. v.1, fasc.18. 4 p. 1930.

Contr. Gray Herb. (Boston)

Robinson, B. L.
Observations on the genus Stevia. Contr. Gray Herb. 90: 36-58. pl. i. 1930.

Robinson, B. L.
Records preliminary to a general treatment of the Eupatorieae- VIII. Contr. Gray Herb. 90: 3-26. 1930.

Robinson, B. L.
The Stevias of North America. Contr. Gray Herb. 90: 90-159. 1930.

Robinson, B. L.
The Stevias of Paraguay. Contr. Gray Herb. 90: 79-90. 1930.

Country Gentleman (Philadelphia)

Cates, J. S.
Shrubs that pay their way. Plants with fine bloom and fruit to match. Country Gentleman. 95(10): 10-11, 60. illus. O.1930.

Flor. Exch. (N.Y.)
Weiss, F.
Now you can prevent basal rot in your narcissus. Flor. Exch. 75(3): 11. S.20, 1930.
Second report on the use of fungicides with the hot water treatment of narcissus bulbs.

Flor. Rev. (Chicago)
Starkey, E.
Fungi in greenhouse soils. Flor.Rev. 75(2): 22. S.13, 1930. no.2.
From his address... before the Mountain and Plain States Convention.

Gard. Chron. (London)
Friend, H.
Horticulture in relation to commerce. X. The Greeks and Phoenicians as traders. Gard. Chron. III, 88: 194-195. S.6, 1930. no.2280.

Grove, A.
Yuccas. Gard. Chron. III, 88: 195. illus. S.6, 1930. no.2280.

Gartenw. (Berlin)
Schmidt-Basel, E.
Vorbeugungsmassnahmen gegen pilzkrankheiten an chrysanthemum. Gartenw. 34: 481-482. Ag.29, 1930. no.35.

Hedwigia. (Dresden)
Erichsen, C.F.E.
Lichenologische beitrage. Hedwigia. 70: 216-233. illus. Ag.1930. no.3/4.

Hruby, J.
Beitrage zur pilzflora Mahrens und Schlesiens. (cont.) Hedwigia. 70: 234-260, 261-352. 6 pl. on 3. Ag.1930. no.3/4, 5.

Migula, W.
Ueber einige japanische characeen. Hedwigia. 70: 211-215. illus. Ag. 1930. no.3/4.

Hedwigia. (cont.)
Torka, V.
Die moosflora von Oberschlesien. Hedwigia. 70: 157-210. Ag. 1930. no.3/4.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)
Euler, H.von & Hellström, H.
Ueber das cytochrom und die katalatische wirkung der hefe. Hoppe-Seyl. Zeitschr. Phys. Chem. 190: 189-198. pl.iv. Ag.30, 1930. no.3/6.

House and Gard. (Greenwich, Conn.)
Rockwell, F. F.
American-grown daffodils for American gardens. House and Gard. 58(4): 69-71, 134, 138, 140, 142. illus. O. 1930.

Wilson, E. H.
Plants that climb the garden wall. House and Gard. 58(4): 76-77, 130, 132. illus. O.1930.
A list of plants for wall-top gardening, suitable for the temperate parts of North America: p.77.

Indische Cult. (Soerbaja)
Kamerling, Z.
Bekende en merkwaardige Indische planted in woord en beeld VII (i.e.6) Sagopalmen. VII. Twee opmerkelijke strandplanten [Caesalpinia bonducella, Terminalia catappa] Indische Cult. 15: 628-632, 668-674. illus. Ag.1,16, 1930. no.15,16.

Intern. Sugar Journ. (London)
Barber, C. A.
Cytology and its use in the classification of canes. Intern. Sugar Journ. 32: 450-453. S.1930. no.381.

Colón, E. D.
Sugar cane culture in Porto Rico. Outstanding features in 1929 (cont.) Intern. Sugar Journ. 32: 464-467. S.1930 no. 381.

Jahrb. Nassauisch. Ver. Nat. (Wiesbaden)
Touton, K.
Weitere zusätze au "Die rheinischen Hieracien". Jahrb. Nassauisch. Ver. Nat. 80: 107-168. 1929. (Rec'd S.1930) no.2.

Jahrb. Wiss. Bot. (Leipzig)

Cleland, R. E. & Oehlkers, F.

Erblichkeit und zytologie verschiedener Oenotheren und ihrer kreuzungen. Jahrb. Wiss. Bot. 73: 1-124. illus. Ag.1930. no.1.

Nielsen, N.

Untersuchungen über einen neuen wachstumsregulierenden stoff: rhizopin. Jahrb. Wiss. Bot. 73: 125-191. illus. Ag. 1930. no.1.

Substance from Rhizopus suinus, experiments made on Avena.

Jahresb. Inst. Angew. Bot. Hamburg.

Hamburg. Institut für angewandte botanik.

Bericht die tätigkeit der abteilung für pflanzenschutz... 1929. Jahresb. Inst. Angew. Bot. Hamburg. 1929: 88-138. 1930.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Salmon, S. C.

The reaction of alfalfa varieties to bacterial wilt. Journ. Amer. Soc. Agron. 22: 802-810. S.1930. no.9.

Ware, J. O.

Hybrid intensification of plant height in cotton and the relationship of node number and internodal length to the phenomenon. Journ. Amer. Soc. Agron. 22:787-801. S.1930. no.9.

Journ. Cactus & Succ. Soc. Amer.

Frick, G. A.

Euphorbia coerulescens. Journ. Cactus & Succ. Soc. Amer. 2: 309-310. illus. S.1930. no.3.

Walther, E.

Gastrolea. Journ. Cactus & Succ. Soc. Amer. 2: 303-307. illus. S.1930. no.3.

West, J.

A rare Bryophyllum. Journ. Cactus & Succ. Soc. Amer. 2: 315. illus. S.1930. no.3.

B. uniflorum.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan)

Nishida, K. & Hashima, H.

Chemische untersuchungen ueber das glukomannan aus "konjak". Journ. Dept. Agr. Kyushu Imp. Univ. 2: 277-360. illus. My.20, 1930. no.10.

In Japanese.

Journ. Fac. Sci. Imp. Univ. Tokyo Sect. III, Bot.

Kumazawa, M.

Morphology and biology of Glaucidium palmatum Sieb. et Zucc. with notes on affinities to the allied genera Hydrastis, Podophyllum and Diphylleia. Journ. Fac. Sci. Imp. Univ. Tokyo. Sect. III, Bot. 2:345-380. illus. Jl.31, 1930. no.4.

Oguara, Y.

On the structure and affinities of some cretaceous plants from Hokkaido. Journ. Fac. Sci. Imp. Univ. Tokyo, Sect. III, Bot. 2: 381-412. illus., pl. xviii-xxi. Ag.15, 1930. no.5.

Journ. Gen. Physiol. (Baltimore, Md.)

Blinks, L. R.

The variation of electrical resistance with applied potential. II-III. Journ. Gen. Phys. 14: 127-138, 139-162. illus. S.1930. no.1.

II. Thin colloid films. III. Impaled Valonia ventricosa.

Cooper, W. C. & Osterhout, W. J. V.

The accumulation of electrolytes. I. The entrance of ammonia into Valonia macrophysa. Journ. Gen. Phys. 14: 117-125. S.1930. no.1.

Irwin, M.

Studies on penetration of dyes with glass electrode. IV-V. IV. Penetration of brilliant cresyl blue into Nitella flexilis. V. Why does azure B penetrate more readily than methylene blue or crystal violet? Journ. Gen. Phys. 14: 1-17, 19-20. S.1930. no.1.

Journ. Hered. (Washington, D. C.)

The discoverer of sex in plants. Journ. Hered. 21: 277. port. (on cover) Je.1930 (Rec'd S.) no.6.

Camerarius.

Hubbard, J. W.

Flower buds in cotton bolls. Journ. Hered. 21: 275-277. illus. Je. 1930 (Rec'd S.) no.6.

Kakizaki, Y.

Breeding "crossed eggplants" in Japan. An example of the practical utilization of hybrid vigor. Journ. Hered. 21: 253-258. illus. Je.1930 (Rec'd S.) no.6.

Journ. Hered. (cont.)

Robertson, D.W. & Deming, G.W.

Genetic studies in barley. Journ.Hered. 21: 283-288. illus. Je.1930 (Rec'd S.) no.6.

Singleton, W.R. & Jones, D.F.

Heritable characters of maize, XXXV. Male sterile. Journ. Hered. 21:266-268. illus. Je.1930 (Rec'd S.) no.6.

Journ. Landw. (Berlin)

Oldershausen, E. f.v.

Der einfluss künstlicher bodensäuerung auf boden und pflanzenwachstum. Journ. Landw. 78: 241-287. illus. 1930. no.3/4.

Tornau, O.

C.v. Seelhorst. Journ. Landw. 78: 209-212. port. 1930. no.3/4.

Journ. Washington Acad. Sci.

Hitchcock, A.S.

Four new grasses. Journ. Washington Acad. Sci. 20: 381-384. S.19, 1930. no.15.

Agrostis hendersonii, Calamagrostis stipitata, Stipa smithii, Panicum killipii.

Killip, E. P.

Ten new species of Passiflora, mainly from Colombia and Peru. Journ. Washington Acad. Sci. 20: 374-381 S.19, 1930. no.15.

Morton, C. V.

A new species of Calathea from Panama. Journ. Washington Acad. Sci. 20: 372-374. illus. S.19, 1930. no.15.

C. magnifica.

Landw. Jahrb. (Berlin)

Geisenheim. Lehr- und forschungsanstalt für wein-, obst- und gartenbau zu Geisenheim. a Rh.

Bericht uber die tätigkeit der pflanzenphysiologischen versuchsstation für das jahr 1929. In its Bericht. 1929. Landw. Jahrb. 72, Ergänzungsbd. 1: 436-441. 1930.

K. Kroemer director.

Landw. Jahrb. (cont.)

Geisenheim. Lehr- und forschungsanstalt fur wein-, obst- und gartenbau zu Geisenheim a. Rh.

Bericht uber die tätigkeit der pflanzenpathologischen versuchsstation für das jahr 1929. In its Bericht 1929. Landw. Jahrb, 72, Egänzungsbd. 1: 428-435. 1930.

G. Lüstner director.

Mem. Dept. Agr. India. Bot. Ser.

Majmudar, V. M.

Studies in Gujarat tobaccos and their improvement, Part I. Mem. Dept. Agr. India Bot. Ser. 18: 89-125. pl. i-viii. Ap. 1930. no.4.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bödeker, F.

Mamillaria erectohamata Böd., spec.nova. Monatsschr. Deut. Kakteen-Ges. 2: 189-191. illus. S.1930. no.9.

Richter, F.

Ueber die verbreitungsbedingungen der kakteen in Mexiko. Monatsschr. Deut. Kakteen-Ges. 2: 191-199. illus. S.1930. no.9.

Werdermann, E.

Echinocactus schwebsianus Werd. n.sp. Monatsschr. Deut. Kakteen-Ges. 2:186-189. illus. S. 1930. no.9.

Nachr. Schädlingsbekämpfung. (Leverkusen b. Köln a Rh.)

Boeker, P.

Saatgutsortierung und beizung. Nachr. Schädlingsbekämpfung. 5: 113-118. Ag. 1930. no.3.

Forsteneichner, F.

Beizversuche an baumwollsamen mit den trockenbeizmitteln tillantin R und ceresan. Nachr. Schädlingsbekämpfung. 5:136-147. illus. Ag. 1930. no.3.

Walldén, J. N.

Die bekämpfung der getreidekrankheiten durch beizung. Nachr. Schädlingsbekämpfung. 5: 147-149. illus. Ag. 1930. no.3.

Nat. Canad. (Quebec)

Caron, O.

Herbiers du Séminaire de Nicolet. Nat. Canad. 57: 182-183. Ag./S.1930. no.8/9.

Louis-Marie, Père.

Ètude sur les potamots du Québec. Nat. Canad. 57: 173-171. illus., 2 pl. Ag./S. 1930 no.8/9.

Nature Mag. (Washington, D. C.)

Hansen, A. A.

By their seeds you shall know them. Each plant has its embryo form which the expert can recognize. Nature Mag. 16: 246-249. illus. O.1930. no.4.

Stanford, E. E.

Garden life-savers. Digitalis - and what it has done. Nature Mag. 16; 215-218. illus. O.1930. no.4.

Naturforsch. (Berlin)

Lehmann,

Mistel und riemenblume im botanischen schulgarten. Naturforsch. 7: 228-231. pl. 43-44. S.1930. no.6.

Niessen. J.

Der quirl- oder sternkümmel (Carum verticillatum (L.) Koch), eines der seltensten naturdenkmäler der pflanzenwelt Deutschlands. Naturforsch. 7: 224-226. S.1930. no.6.

Nauk. Pratsi. Ukrains. Gen. Selek. Inst. (Wiss.Arb. Ukrain. Inst. Vererb. u. Pflanzenz.) (Odessa)

Favorov, A.

... Blattbehaarung beim sommerweizen. Nauk. Pratsi Ukrains. Gen.-Selek. Inst. (Wiss. Arb. Urkain. Inst. Vererb. u. Pflanzenz.) 1: 65-73. 1929. no.1.

Ukrainian with German summary.

Favorov, A.

... Hyogenetische untersuchungen der sorghumarthen. Nauk. Pratsi Ukrains. Gen.-Selek. Inst. (Wiss. Arb. Ukrain. Inst. Vererb. u. Pflanzenz.) 1: 51-63. illus. 1929. no.1.

Ukrainian with German summary.

Notizbl. Bot. Gart. Berlin.

Berlin. Universität. Botanischer garten.
Vermischte diagnosen. VI. Notizbl. Bot. Gart. Berlin. 10: 1049-1053. Ag.1, 1930. no.100.
Olyra luetzelburgii, Butia microspadix, Pycnophyllum leptothamnum, Gurania heubneri.

Burret, M.
Palmae novae Luetzelburgianae. Notizbl. Bot. Gart. Berlin. 10: 1013-1026. Ag.1, 1930. no.100.

Burret, M.
Ueber Leopoldinia piassaba Wallace, die stammpflanze der Pará-piassave. Notizbl. Bot. Gart. Berlin. 10: 1027-1028. Ag.1, 1930, no.100.

Harma, H.
H. Wolff. Notizbl. Bot. Gart. Berlin. 10: 1007-1012. port. Ag.1, 1930. no.100.

Krause, K.
Ueber einige neue oder seltenere araceen. Notizbl. Bot. Gart. Berlin. 10: 1045-1048. Ag.1, 1930. no.100.
Anthurium longispadiceum, Philodendron gloriosum, P. woronowii, Arisaema sinii, Synandrospadix vermitoxicum.

Markgraf, F.
Neue apocynaceen aus Südamerika, III. Notizbl. Bot. Gart. Berlin. 10: 1033-1039. 1 pl. Ag.1, 1930. no.100.
Rhipida (nov.gen.) R. amazonica, Tabernaemontana maxima, T. stenantha, Malouetia lata, Prestonia plumierifolia, Forsteronia brevifolia, n.spp.

Pilger, R.
Einige neue Sanatalaceae aus Südamerika. Notizbl. Bot. Gart. Berlin. 10: 1029-1032. Ag.1, 1930. no.100.
Arjona schumanniana, Quinchamalium brevistaminatum, Q. lomae, Q. hoppii, Q. elongatum, Q. raimondii, Q. procumbens.

Ruhland, W.
Neue Eriocaulon-arten aus China. Notizbl. Bot. Gart. Berlin. 10: 1040-1044. Ag.1, 1930. no.100.

Obst- u. Gemüseb. (Berlin)

Laubert, R.

Zwei fleckenkrankheiten der winteräpfel. Obst- u. Gemüseb. 76: 129-130. illus. Ag.20, 1930. no.8.

1. Die schwarzstippigkeit der aepfel. 2. Die staubfleckigkeit der aepfel.

Orchid Rev. (Richmond, England)

Ghose, B. N.

Sarcochilus luniferus. Orchid Rev. 38: 272-273. illus. S.1930. no.447.

Supposed to be leafless, now observed to have caducous leaves.

Pharm. Zentralh. (Dresden)

Richter, J.

Das licht und die pflanze. Pharm. Zentralh. 71: 545-549. Ag.28, 1930. no.35.

Phytopath. Zeitschr. (Berlin)

Baltzer, U.

Untersuchungen über die anfälligkeit des roggens fur fusariosen. Phytopath. Zeitschr. 2: 377-441. illus. 1930. no.4.

Dufrenoy, J.

Maladies à virus du tabac. Phytopath. Zeitschr. 2: 321-339. illus. 1930. no.4.

Gassner, G. & Straib, W.

Beitrag zur frage der getreiderostbekämpfung auf chemischem wege. Phytopath. Zeitschr. 2: 361-376. 1930. no.4.

Lüdtke, M.

Beiträge zur kenntnis des stoffwechsels mosaikkranker und gesunder tabakpflanzen. Phytopath. Zeitschr. 2: 341-359. 1930. no.4.

Untersuchungen über viruskrankheiten. Hrsg. E. Schaffnit, 9. mitt.

Planta Arch. Wiss. Bot. (Berlin)

Bachmann, F.

Ein neuer aktinograph. Planta Arch. Wiss. Bot. 11: 660-675. illus. Ag.16, 1930. no.4.

Planta Arch. Wiss. Bot. (cont.)

Guttenberg, H. V.

Ein antennenloses Catasetum (C. russellianum Hook.) Planta Arch. Wiss. Bot. 11:676-682. illus. Ag.16, 1930. no.4.

Miyaji, Y.

Beiträge zur chromosomenphylogenie der berberidaceen. Planta Arch. Wiss. Bot. 11:650-659. illus. Ag.16, 1930. no.4.

Miyaji, Y.

Betrachtungen über die chromosomenzahlen von Viola, violaceen und verwandten familien. Planta Arch. Wiss. Bot. 11: 631-649. illus. Ag.16, 1930. no.4.

Sakamura, T.

Die resorption des ammonium- und nitratstickstoffs durch Aspergillus oryzae. Planta Arch. Wiss. Bot. 11: 765-814. Ag.16, 1930. no.4.

Ssawostin, P. W.

Magnetophysiologische untersuchungen. Planta Arch. Wiss. Bot. 11: 681-726. illus. Ag.16, 1930. no.4.

I. Die rotationsbewegung des plasmas in einem konstanten magnetischen kraftfelde.

Planter (Kuala Lumpur)

Murray, R. K. S.

A disease of young bud-shoots caused by Phytophthora. Planter (Kuala Lumpur) 11: 26-27. Ag. 1930. no.1.

P. palmivora.

Proc. Crop Sci. Soc. Japan.

Fukaki, S.

On the retarding effects of fruit juice upon the germination of seeds. Proc. Crop Sci. Soc. Japan. 2: 134-138. Jl.1930. no.2.

In Japanese.

Inouye, C.

On the relation between the chromosomes and the nucleolus in Linum. Proc. Crop Sci. Soc. Japan. 2: 127-133. pl. viii. Jl. 1930. no.2.

Japanese with English summary.

Proc. Crop Sci. Soc. Japan. (cont.)

Kosaka, H.

Ueber die beziehungen zwischen der assimilationstätigkeit und anthocyanbildung an Abutilon avicennae. Proc. Crop Sci. Soc. Japan. 2: 104-109. Jl.1930. no.2.

In Japanese.

Matsuda, H.

Further studies on the origin of giant pollen grains in Petunia. Proc. Crop Sci. Soc. Japan. 2: 110-119. pl.vi-vii. Jl.1930. no.2.

Japanese with English summary.

Onodera J. & Takasaki, T.

Osmotic pressure of plant juice and cold resistance in some winter crops, and meteorological factors influencing their cold resistance. Proc. Crop Sci. Soc. Japan. 2: 142-152. Jl. 1930. no.2.

In Japanese.

Sakaguchi, I.

Relation between maturation of fruit flesh and development of seeds in peach. Proc. Crop Sci. Soc. Japan. 2: 96-103. Jl. 1930. no.2.

In Japanese.

Shibuya, T.

Germination of cotton pollen in artificial culture media. Proc. Crop Sci. Soc. Japan. 2: 120-121. Jl. 1930. no.2.

In Japanese.

Yasuda, S.

A method of obtaining self-fertilized seeds in the self-incompatible plants. (Preliminary) Proc. Crop Sci. Soc. Japan. 2: 122-126. Jl. 1930. no.2.

Petunia violacea.

In Japanese with English résumé.

Proc. Linn. Soc. N.S.W. (Sydney)

Blakely, W. F.

A further contribution to our knowledge of the flora of New South Wales. Proc. Linn. Soc. N.S.W. 54: 681-685. pl. xxviii-xxx. 1929(Rec'd S.1930). no.5.

Correa macrocalys, Bertya oblonga, Lasiopetalum joyceae, Kunzea rupestris, Prostanthera howellae, Goodenia chisholmi, n.spp.

Proc. Linn. Soc. N.S.W. (cont.)
Rupp, H.M.R.
Variations in certain orchids. Proc. Linn. Soc. N.S.W. 54: 550-552. illus. 1929(Rec'd S.1930) no.5.

Waterhouse, W. L.
Australian rust studies. I-II. Proc. Linn. Soc. N.S.W. 54: 615-680. pl. xxiv-xxvii. 1929; 55: 158-190. pl. iii. 1930 (Rec'd S.1930). no.5,2.
II. Biometrical studies of the morphology of spore forms.

Proc. Roy. Soc. Ser. B. (London)
Darlington, C. D.
A cytological demonstration of "genetic" crossing-over. Proc. Roy. Soc. Ser.B. 107: 50-59. illus. pl.5. S.3, 1930. no.B748.

Prog. Agr. & Vitic. (Montpellier)
Ravaz, L.
Sur le court-noue (concl.) Progr. Agr. & Vitic. 94: 227-233. 3 pl. S.7, 1930. no.36.

Publ. Biol. Surv. Univ. Oklahoma.
Jeffs. R.E. & Little, E. L. jr.
A preliminary list of the ferns and seed plants of Oklahoma. Publ. Biol. Surv. Univ. Oklahoma. 2: 39-101. Je.28, 1930. no.2.

Rapp. Fonct. Inst. Rech. Agron. France.
France. Ministère de l'agriculture - Institut des recherches agronomiques.
Pathologique végétale 1929. Rapp. Fonct. Inst. Agron. France. 1929: 353-373. 1930.

Rep. Maryl. State Hort. Soc.
Gourley, J. H.
Some factors which influence color of fruit. Rep. Maryl. State Hort. Soc. 32: 158-163. 1930.

Heinicke, A. J.
Pollination and other factors affecting the set of fruit with special reference to the apple. Rep. Maryl. State Hort. Soc. 32: 130-149. 1930.

Rep. Maryl. State Hort. Soc.(cont.)

Hough, W. S.
Recent developments in the control of spray injury. Rep. Maryl. State Hort. Soc. 32: 214-218. 1930.

Hurt, R. H.
The importance of calcium sulphide in disease control. Rep. Maryl. State Hort. Soc. 32: 226-236. 1930.

Jehle, R. A.
Recent observation on apple scab. Rep. Maryl. State Hort. Soc. 32: 245-250. 1930.

Roberts, J. W., Pierce, L. & Dunegan, J.C.
Another year's experience with zinc lime as a control for Bacterium pruni. Rep. Maryl. State Hort. Soc. 32: 221-226. 1930.
Title also given as "Control of peach bacterial spot".

Science. (Lancaster, Pa.)

Davies, P. A.
The relation of total nitrogen to regeneration in the willow. Science. 72: 276-277. illus. S.12, 1930. no.1863.

Rosen, H. R.
Overwintering of the fire blight pathogen, Bacillus amylovorus, within the beehive. Science. 72: 301-302. S.19, 1930. no.1864.

Sci. Bull. Dept. Agr. So. Africa.

Reinecke, O.S.H.
Field and laboratory studies of the pollination requirements of varieties of deciduous fruit trees. grown in South Africa. Sci. Bull. Dept. Agr. So. Africa. 90. 92 p. illus. 1930.

Scient. Agr. (Ottawa)

Clarke, A.E. & Fryer, J. R.
Seed setting in alfalfa. Scient. Agr. 11: 38-43. illus. S.1930. no.1.

Scient. Agr. (cont.)

Goulden, C.H., Newton, M. & Brown, A.M.
The reaction of wheat varieties at two stages of maturity to sixteen physiologic forms of Puccinia tritici. Scient. Agr. 11: 9-25. illus. 1 pl. S.1930. no.1.

Harrington, J. B.
The source and nature of variability in a strain of Marquis wheat. Scient. Agr. 11; 44-55. 1 pl. S.1930. no.1.

Newton, W. & Hastings, R.J.
A new sulphur-resin spray. Scient. Agr. 11: 26-28. S.1930. no.1.

Scient. Month. (Lancaster, Pa.)

Arthur, J.M.
Light and the green plant. Scient. Month. 31: 343-346. O.1930. no.4.
Radio talk.

Sitzungsb. Naturf. Ges. Univ. Tartu. (Tartus)

Eichwald, K.
Einige notizen zur flora Süd-Estlands. Sitzungsb. Naturf. Ges. Univ. Tartu. 34: 1-8. 1929. (Rec'd S.1930). no.1/2.

Lepik, E.
Bibliographische beiträge zur ostbaltischen pilzflora. Sitzungsb. Naturf. Ges. Univ. Tartu. 34: 27-88. 1929 (Rec'd S.1930). no.1/2.

Vilberg, G.
Eesti taimeühiskonnad (Die pflanzengesellschaften in Eesti). Sitzungsb. Naturf. Ges. Univ. Tartu. 34: 89-126. 1929 (Rec'd S.1930. no.3/4.
German summary: p.120-121.

Svenska Mooskulturför. Tidskr.

Osvald, H.
Gulspetssjukan och andra marksjudomar (Die urbarmachungskrankheit (schwed. "gulspetssjuka") und andere bodenkrankheiten). Svenska Mosskulturför. Tidskr. 44: 217-245. illus. Ag.1930. no.4.
German summary: p.243-245.

Tidsskr. Planteavl. (København)

Denmark. Statens plantepatologiske forsøg.

Plantesygdomme i Danmark. 1929. Tidsskr. Planteavl. 36: 506-554. illus. 1930. no.3.

English summary (Plant diseases and pests in Denmark)

By E. Gram and others.

Trans. Indiana Hort. Soc.

Gardner, M. W.

Disease situation in 1929. Trans. Indiana Hort. Soc. 69(1929): 120-128. illus. [1930]

Deals entirely with apples.

Trans. Kansas Acad. Sci.

Johnston, C. O. & Parker, J. H.

Aegilops cylindrica Host., a wheat-field weed in Kansas. Trans.Kansas Acad. Sci. 32: 80-84. [1929] (Rec'd S.1930)

Maus, P.M.

Flora of Wabaunsee County, Kansas. Trans. Kansas Acad. Sci. 32: 88-104. [1929] (Rec'd S. 1930)

Melchers, L. E. & McKinney, H. H.

Studies of foot-rot of wheat (take-all) in Kansas. Trans.Kansas Acad. Sci. 32: 142-143. (Rec'd S.1930)

Second progress report.

Melchers, L.E.

The wheat foot-rot disease in Kansas. Trans. Kansas Acad. Sci. 32: 138-140. [1929] (Rec'd S. 1930)

Cause not definitely known, species of Helminthosporium and Hendersonia associated with the infected tissues.

Robinson, W. J.

Some factors affecting amount and nature of flora in central Kansas. Trans.Kansas Acad. Sci. 32: 55-59. [1929] (Rec'd S.1930)

Weber, C.

Plants that grow in Ellsworth County. Trans. Kansas Acad. Sci. 32: 68-79. [1929] (Rec'd S. 1930)

Trans. Kansas Acad. Sci. (cont.)
White, R. P. & Melchers, L. E.
Take-all disease of wheat in Kansas. Trans. Kansas Acad. Sci. 32: 141. [1929] (Rec'd S.1930)

Tropenpfl. (Berlin)
Jentsch, F. & Meyer, H.
Beschreibung einiger tropischer hölzer aus Westafrika nach ihren handwerkstechnischen eigenschaften. Tropenpfl. 33: 313-325. Ag.1930. no.8.

Morstatt, H.
Blattkrankheiten der sisalagave. Tropenpfl. 33: 307-312. Ag.1930. no.8.

Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) (Tashkent)
Kudrjashov, S.
... Zur frage der pheno-ökologie einiger arten der flora Mittel-Asiens. Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.). 11. 47 p. 3 pl. 1930.
Russian with German summary.

Die Umschau. (Frankfurt)
Stubbe, H.
Experimentell erzeugte erbliche veränderungen. Die Umschau. 34: 730-732. illus. S.6, 1930. no.36.

U. S. Dept. Agr. Off. Rec.
Swingle, W.T. & Robinson, T.R.
The Silverhill - A new strain of Satsuma orange. U. S. Dept. Agr. Off. Rec. 9(37): 2. S.11, 1930. no.37.

Valt. Maatalouskoet. Julkais.
Hintikka, T. J.
Perunasyövän levinneisyydestä eri maissa ja muutamista ilmastollisista seikoista sen saastuttamilla alueilla. (Ueber die verbreitung des kartoffelkrebses in verscheidenen ländern sowie über einige klimatischen faktoren der verseuchten gebiete). Valt. Maatalouskoet. Julkais. 23. 101 p. illus. (maps) 1929(Rec'd S.1930.)
German summary.

Valt. Maatalouskoet, Julkais. (cont.)

Valmari, J. & Kanervo, V.

Kasvien vedenkäyttö ja säätekijät. (Der wassererbrauch der pflanzen mit berücksichtigung der witterungselemente). Valt. Maatalouskoet. Julkais. 26. 90.p. 1930.

German summary: p.81-90.

Vict. Nat. (Melbourne)

Coleman, E. (Mrs.).

A new greenhood orchid. Vict. Nat. 46: 100-101. pl.v. S.4, 1929. no.5.

Pterostylis rogerisii.

Pescott, E. E.

Flora between Broken Hill and Mootwingee. Vict. Nat. 46: 111-112. S.4,1929. no.5.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Heyn, H.

Beitrag zur cytologie der kartoffel, Solanum tuberosum L. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 4: 123-168. illus. S.1, 1930. no.1.

Zapiski Gosud. Nikitsk. Opytn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita) (Ialta)

Voinov, G. V.

... Trees and shrubs cultivated in Crimean gardens. Zapiski Gosud. Nikitsk. Optyn. Bot. Sada (Journ. Gov. Bot. Gard. Nikita). v.13, no.1. 70 p. 1930.

Russian with English summary.

Zashch. Rast. Vred. (Plant Prot. Leningrad)

Nikolaeva, A. E.

... Results of a study of Cirsium arvense Scop. and Sonchus arvensis L. on experimental plots at Old Peterhof, Leningrad, government. Zashch. Rast. Vred. (Plant Prot. Leningrad) 6: 719-755. 1930. no.5/6.

Russian.

Rothers, B.

... Some more lines on Coniothyrium insitivum Sacc. on tree leaves. Zashch. Rast. Vred. (Plant Prot. Leningrad) 6: 819. 1930. no.5/6.

Russian.

Zashch. Rast. Vred. (Plant Prot. Leningrad) (cont.)

Rusakov, L. F.

... Peculiarities of a cereal rust ephiphyte observed at the Coast Province agricultural experi,-ment station in 1926. Zashch. Rast. Vred. (Plant Prot. Leningrad) 6: 695-718. illus. 1930. no.5/6.

Russian.

Teterevinikova-Babajan, D. N.

... Observations on Fusarium species infesting winter crops. Zashch. Rast. Vred. (Plant Prot. Leningrad) 6: 669-694. illus. 1930. no.5/6.

Russian.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Hiorth, G.

Ein versuch über den einfluss der erwärmung des pollens auf die nachkommenschaft. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56: 39-50. illus. 1930. no.1.

Kuckuck, H. & Schick, R.

Die erbfaktoren bei Antirrhinum majus and ihre bezeichnung. Zeitschr. Indukt. Abstamm, u. Vererbungsl. 56: 51-83. illus. 1930. no.1.

Schick, R.

Untersuchungen über koppelung bei Antirrhinum majus. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56: 84-106. 1930. no.1.

Koppelungen bei blattfaktoren. I.

Stubbe, H.

Untersuchungen über experimentelle auslösung von mutationen bei Antirrhinum majus I- Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56:: 1-38. illus. 1930. no.1.

Versuche mit röntgenstrahlen, ultraviolettem licht, temperaturschocks und zentrifugierungen.

Zeitschr. Zuckerind. Cechoslovak. Rept.

Stehlik, V.

Einfluss der witterung auf die entwicklung der jungen rübe und die entstehung ihrer krankheiten. Zeitschr. Zuckerind. Cechoslovak. Rep. 54: 683-689, 691-696. illus. Ag.22,29,1930. no.51, 52.

Der Züchter. (Berlin)

Gleisberg, W.

Obstunterlagenselektion nach bewurzelung und Wanderverwachsung. Der Züchter. 2: 227-237. illus. Ag.1930. no.8.

Goldschmidt, R.

Jur. Philiptschenko. Der Züchter. 2: 237-238. port. Ag.1930. no.8.

Ossent, H. P.

Perennierender Kulturroggen. Der Züchter. 2: 221-227. illus. 3 pl. on 2. Ag.1930. no.8.

Exper. Stat. Publ.

Higgins, B. B.

"Halo spot" of beans and kudzu. Georgia Agr. Exp. Stat. Bull. 161. 21 p. illus. Je.1930 (Rec'd.S.)

Cardinell, H. A.

Ringing fruit trees sometimes spread blight. Michigan Agr. Exp. Stat. Quart. Bull. 13: 12-15. illus. Ag.1930. no.1.

Practice of hastening fruiting by girdling may cause serious disease infection.

New Jersey agricultural experiment station - Dept. of plant pathology.

Nematodes and the diseases they cause. Its Nursery Dis. Notes. v.3, no. 1. 4 p. Jl.1930 (Rec'd S.)

Mimeographed.

Repr. Flor. Exch. 74(15): 25. Ag.9, 1930.

Poole, R. F.

Sweet potato and dewberry disease investigations. Ann. Rep. North Carolina Agr. Exp. Stat. 52(1928/29): 83-90. [1930]

Wells, B. W.

Research in botany. Ann. Rep.. North Carolina Agr. Exp. Stat. 52(1928/29): 78-91. illus. [1930]

Div. of plant pathology. S. G. Lehman - Sweet potato and dewberry disease investigations. R. F. Poole — Plant ecological features of the sandhills. B. W. Wells & I.V. Shunk. - Plant physiology investigations. D. B. Anderson.

Willard, C. J.

Killing field weeds with chlorates. Ohio Agr. Exp. Stat. Bimonth. Bull. 146: 158-168. S./O. 1930.

Exper. Stat. Publ. (cont.)

Finnell, H. H.
The wheat smut problem in High Plains, Oklahoma. Panhandle Agr. Exp. Stat. (Okla.) Bull. 19. 13 p. illus. S.1930.

Crane, H. L.
Physiological investigations on the resistance of peach buds to freezing temperatures. West Virginia Agr. Exp. Stat. Bull. 236. 80 p. Ag.1930.

State Publications.

Milbrath, D. G.
A discussion of the reported infectious chlorosis of the rose. Month. Bull. Dept. Agr. Calif. 19: 535-544. illus., 2 pl. Ag.1930. no.8.

Dunn, S. [illegible]
Control of common diseases of stone fruits in New Hampshire. Univ. New Hampsh. Ext. Serv. Ext. Circ. 111. [4] p. illus. My.1930 (Rec'd S.)

Aughanbaugh, J. E.
Recovery of the chestnut in Pennsylvania. Res. Circ. Dept. For. & Waters. Penn. 1. 17 p. 1930.

Clepper, H. E.
White pine blister rust in Pennsylvania. Res. Circ. Dept. For. & Waters Penn. 2. 15 p. illus. (maps) 1930.

Zundel, G. L.
Raspberry disease control. Penn. School. Agr. & Exp. Stat. Div. Agr. Ext. Circ. 133. 20 p. illus. Je. 1930 (Rec'd S.)

New Books.

Foerster, K.
Der neue rittersporn... Gartenschönheit, Berlin, 1929.

New Books. (cont.)

Klebhan, H.
... [Diagnostik von pilzparasitären pflanzenkrankheiten] Moskva, 1926.
Russian.

Münch, E.
Die stoffbewegungen in der pflanze. Jena, G. Fischer, 1930.

Neues handbuch der tropischen agrikultur, von G. Arnold, H. V. Costenoble, Karl Ettling, W. Hoffmann u.a. lfg. 1-20, 22-27. Hamburg, F. W. Thaden, [1928-30]
Diseases included in treatment of each crop.

Pareys Blumengärtenerei. Beschreibung, kultur & verwendung der gesamten gärtnerischen schmuckpflanzen. lfg. 1- Berlin, P. Parey, 1930-

[Rothschild, L. N.de.]
Field notes of rhododendrons and other plants collected by Kingdon Ward in 1927/28. [n.p., 1930?]

Tschirch, A.
Handbuch der pharmakognosie. 2. erweiterte aufl. lfg. 1-2. Leipzig, B. Tauchnitz, 1930.

Ui, H.
Kishiu shokubutsu-shi (Flora of Kii province) 1929.

Uphof, J. C. T.
Vegetationsbilder der östlichen staaten von Nordamerika. In Karsten, G. Vegetationsbilder. 21. reihe, h.1/2. 12 pl. 1930.

Wagner, C.
Lehrbuch des forstschutzes. Berlin, P. Parey, 1930.

New Books. (cont.)

Zimmermann, A.
Die gerbrinden liefernden akazien. Jena, G. Fischer, 1930.

Translations filed in Library of Bur. of Plant Industry.

Bremer, G.
Beschrijving der soorten van het suikerriet 9, De afgeleide Chunneekruisingen 1499, 1507, en 1547 POJ met twee van hare stamouders, 181 en 369 POJ (Description of sugar cane varieties 9th contribution. Chunnee crosses 1499, 1507, 1547 POJ an two of the male elements 181 and 369 POJ) Arch. Suikerind. Nederl.-Indie. 28: 887-913. 1930.

Bremmer, G.
De bladscheedeschimmel Nigrospora panici Zimmermann een vorm van Melanconium sacchari. (The leaf-sheath fungus Nigrospora panici Zimmermann a form of Melanconium sacchari). Arch. Suikerind. Nederl. Indië. 33, (3, Meded.): 885-896. 1925. no.22.

Jeswiet, J.
Beschrijving der soorten van het suikerriet 8 (Description of varieties of sugar cane, 8th countribution. The Demak-Idjo varieties: DI 43, 46, 52, 88 and 89) Arch. Suikerind. Nederl.-Indië 26(1). 383-409. 1918.

Kaufmann, O.
Die bedeutung von blattfleckenkrankheit und gürtelschorf für den rübenbau (The significance of leafspot disease and zonate scab). Deutsche Zuckerind. 52: 1441-1442. D.31, 1927.

Lorenz, P.
Kreuzungsmöglichkeiten in der gattung Ribes (Hybridization possibilities in the genus Ribes). Der Züchter. 1: 66-68. my.1929.

L. Shannon

le copy

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

OCT 2 8 193
ANT INDUS

Vol. 12, no. 21. Sept.29-Oct.11, 1930.

Agr. Gaz. N.S.W. (Sydney)
Sedden, H. R.
A review of plants poisonous to live stock. Agr. Gaz. N.S.W. 41: 637-644. S.L, 1930. no.9.
Abridgment of his presidential address sect. L, Austral. Assoc. Adv. Sci.

Amer. Bee Journ. (Hamilton, Ill.)
Dodge, N. N.
State flowers that are honey plants. Amer. Bee Journ. 70: 490-492. illus. O. 1930. no.10.

Amer. Fern Journ.
Clarkson, E. H.
The root-stocks of the broad-leaf spinulose ferns. Amer. Fern Journ. 20: 117-119. Jl./S. 1930. no.3.
Recognizes Dryopteris dilatata var. americana as a species with name D. campyloptera.

Kittredge, E.M.
Crested polypody. Amer. Fern Journ. 20: 124, 126. pl.6. Jl./S. 1930. no.3.
Polypodium vulgare v. churchiae.

Knappen, N. C.
Some European fern finds. Amer. Fern Journ. 20: 106-114. pl. 5. Jl./S. 1930. no.3.

Overacker, M.L.
A New York state fern law. Amer. Fern Journ. 20: 115-117. Jl./S. 1930. no.3.

Schaffner, J. H.
Geographic distribution of the species of Equisetum in relation to their phylogeny. Amer. Fern Journ. 20: 89-106. Jl./S. 1930. no.3.

Amer. Journ. Pharm. (Philadelphia)
Kilmer, F. B.
The Daturas. Amer. Journ. Pharm. 102: 526-534. S.1930. no.9.

Angew. Bot. (Berlin)

Müller, K.O.

Ueber die phytophthoraresistenz der kartoffel und ihre vererbung. (Zugleich ein beitrag zur frage der polyploidie bei der kartoffel). Angew. Bot. 12: 299-324. illus. Jl./Ag.1930. no.4.

Stapp, C.

Bakterielle tabakkrankheiten und ihre erreger. Angew. Bot. 12: 241-274. illus. Jl./Ag. 1930. no.4.

Stapp, C.

Die wirkung von alkylresorcinen auf pflanzenpathogene bakterien. Angew. Bot. 12:275-289. illus. Jl./Ag.1930. no.8.

Theones, H.

Beitrag zur untersuchung von pflanzenpresssäften. Angew. Bot. 12: 289-299. Jl./Ag. 1930. no.4.

Ann. N.Y. Acad. Sci.

Skutch, A. F.

Repeated fission of stem and root in Mertensia maritima -- a study in ecological anatomy. Ann. N.Y. Acad. Sci. 32:1-52. illus., pl. i-ix. Jl.1, 1930.

Arb. Biol. Reichsanst. Land- u. Forstw. Berlin.

Bartosch, J.

Untersuchungen über die vererbung der knollengestalt bei der kartoffel. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 18: 117-151. My.1930 (Rec'd S.) no.2

Untersuchungen zur genetik der kartoffel hrsg. von K.O. Müller, III.

Arb. Kartoffelbauges. (Berlin)

Schander, R. & Staar, G.

Untersuchungen über die bekämpfung der durch Phytophthora infestans hervorgerufenen kraut- und knowllenfäule der kartoffeln mit besonderer berücksichtigung der kupferhaltigen stäubmittel. Arb. Kartoffelbauges. 33. 139 p. illus., ii pl. 1930.

Arch. Jard. Bot. Rio de Janeiro.

Ducke, A.

Enumeração das plantas amazonicas cultivadas no Jardim botanico e introduzidas pelo chefe de secção Adolpho Ducke, de 1920-1928. Arch. Jard. Bot. Rio de Janeiro. 5: 79-98. 1930.

Arch. Jard. Bot. Rio de Janeiro. (cont.)

Ducke, A.
As leguminosas do estado do Pará. (supplemento)
Arch. Jard. Bot. Rio de Janeiro. 5:191-199.
1930.

Ducke, A.
Plantes nouvelles ou peu connues de la région amazonienne. IV. Arch. Jard. Bot. Rio de Janeiro. 5: 99-187. pl. i-xxiii (2 fold.) 1930.

Kuhlmann, J. G.
Contribuição para o conhecimento de algumas novas especies da região amazonica e uma do Rio de Janeiro bem como algumas notas sobre especies já conhecidas. Arch. Jard. Bot. Rio de Janeiro. 5: 203-209. pl. xxix-xxvi. (1 fold.) 1930.

Rodrigues da Silveira, F.
Duas especies novas de Passifloraceae e Sapindaceae. Arch. Jard. Bot. Rio de Janeiro. 5: 219, 221. pl.xxvii-xxx. 1930.
Passiflora ceratocarpa, Paullinia triantennata.

Rodrigues da Silveira, F.
Notas sobre a Couma rigida Müll. Arg. Arch. Jard. Bot. Rio de Janeiro. 5: 215-216. 1930.

Biochem. Zeitschr. (Berlin)

Bjorksten, J. & Himberg, I.
Spielt ammoniak eine direkte rolle bei der eiweissynthese höherer pflanzen? Biochem. Zeitschr. 225: 441-446. S.6,1930. no.4/6.
Experiments with wheat seedlings.

Björksten, J.
Zur kenntnis der synthese von eiweissstoffen und ihrer bausteine bei höheren pflanzen. Biochem. Zeitschr. 225: 1-80. illus. Ag.28, 1930. no.1/3.

Hönl, V.
Ueber die energiespeicherung der pflanzen mit berücksichtigung ihres kohlenstoff- und stickstoffgehaltes. II. Biochem. Zeitschr. 225: 94-114. illus. Ag.28, 1930. no.1/3.

Biol. Zentralbl. (Leipzig)
Ubisch, G.v.
Geschlechtsverteilung und sekundäre geschlechts merkmale bei Antennaria dioica (Gaertn.) Biol. Zentralbl. 50:532-540. 1930. no.9.

Blätt. Pflanzenb. u. Pflanzenzücht.
Freudl,
Hofrat Professor Dr. h.c. Carl Fruwirth. Blätt. Pflanzenb. u. Pflanzenzücht. 8: 61-63. port. S.1930. no.4.

Starz, E.
Der Schneeschimmel (Fusarium) und seine bedeutung für den roggenbau. Blätt. Pflanzenb. u. Pflanzenzücht. 8: 63-66. S.1930. no.4.

Blumen u. Pflanzenb. (Berlin)
Gleisberg, W.
Die bodensäure als vegetationsfktor in der erikenkultur. Blumen u. Pflanzenb. 45: 146-150. illus. S.3, 1930. no.9.

Bol. Mus. Nac. Rio de Janeiro.
Sampaio, A.J. de.
The practical direct application of the type-method in herbaria. Bol. Mus. Nac. Rio de Janeiro. 5(4): 1-3. D.1929 (Rec'd O.1930)

Bull. Agence Gén.Colon. France. (Paris)
Heim de Balsac, F., Dagand, G.S., Heim de Balsac, H., Lefèvre, L., Parveaud, A. & Roehrich, O.
La fibre de "bontaka" (Pachypodium rutenbergianum Vatke) de Madagascar. Bull. Agence Gén. Colon. France. 23: 600-616. 2 pl. (I fold.) Jl. 1930. no.258.

Bull. Écon. Indochine. (Hanoi)
Barat, H.
Travaux de cryptogamie. In Compt. Rend. Trav. 1928-29. Bull. Écon. Indochine. 33(3B): 29-47. 2 pl. 1930.

Nguyên-manh-Oanh.
Culture de l'aréquier dans la Province de Haiduong. Bull. Econ. Indochine. 33: 504B-513B. 6 pl. on 3. Je.1930-B.
Areca catechu.

Bull. Inst. Pin Bordeaux.

Curtin, L. P.

Reactions chimiques des champignons qui attaquent le bois. (cont.) Bull. Inst. Pin Bordeaux. 1930: 209-213. S.15, 1930. no.9.

Bull. Min. Agr. Gt. Brit.

Turnbull, J.

Commercial fruit tree spraying and what it costs. Bull. Min. Agr. Gt. Brit. 5. 23 p. illus. 1930.

Bull. Misc. Infor. Kew. (London)

Gilliat-Smith, B. & Turrill, W. B.

On the flora of the Nearer East. VII. A contribution to our knowledge of the flora of Azerbaidjan, N.Persia. Bull. Misc. Inform. Kew. 1930: 375-398. no.8.

Green, M. L.

Standard-species of certain Linnean genera. Bull. Misc. Inform. Kew. 1930: 373-374. no.8.

Ridley, H. N.

Additions to the flora of Borneo and other Malay Islands. Bull. Misc. Inform. Kew. 1930: 364-373. no.8.

Sandwith, N.Y.

Contributions to the flora of tropical America. II. Chondodendron candicans, a menispermaceous bush-rope of Guiana. Bull. Misc. Inform. Kew. 1930: 339-343. no.8.

Topham, P.

The genus Brachystegia in Nyasaland. Bull. Misc. Inform. Kew. 1930: 348-364. incl. 2 pl. (1 map) no.8.

Wright, C. H.

Ferns collected in Fiji by Sir Everard im Thurn. Bull. Misc. Inform. Kew. 193: 343-348. no.8.

Bull. Mysore Sandal Spike Invest. Comm.

Venkata Rao, K. B. & Venkata Rao, M. G.

A preliminary note on varieties of Santalum album, Linn. in Mysore. Bull. Mysore Sandal Spine Invest. Comm. no. 1. 7 p. ii pl. 1930.

Bull. Nat. Hist. Surv. Illinois.

Tehon, L.R. & Stout, G. L.

Epidemic diseases of fruit trees in Illinois 1922-1928. Bull. Nat. Hist. Surv. Illinois. 18: 415-502. illus. 1930. no.3.

Bull. Soc. Chim. Biol. (Paris)

Rabaté, J.

La salicinéréine du "Salix cinerea L."; son identité avec le picéoside. Bull. Soc. Chim. Biol. 12: 965-973. Jl./Ag.1930. no.7.

Rabaté, J.

Sur la présence du rutoside dans les tiges foliées du "Buplevrum falcatum" L. Bull. Soc. Chim. Biol. 12: 974-977. Jl./Ag. 1930. no.7.

Bull. Soc. Neuchat. Sci. Nat. (Neuchatel)

Mayor, E.

Notes mycologiques VII. Bull. Soc. Neuchat. Sci. Nat. 54: 45-59. 1930.

Spinner, H.

Nouvelle contribution a l'analyse pollinique des tourbières de la vallée de la Brévine- la Chaux-du-milieu. Bull. Soc. Neuchat. Sci. Nat. 54: 1-36. 1930.

Canad. Journ. Res. (Ottawa)

Hutchinson, A. H. & Ashton, M. R.

The effect of radiant energy on growth and sporulation in Colletotrichum phomoides. Canad. Journ. Res. 3: 187-199. illus., pl.i. S.1930. no.3.

La Cellule, (Lierre, Belgium)

Koerperich, J.

Etude comparative du noyau, des chromosomes et de leurs relations avec le cytoplasme (Nothoscordum, Eucomis, Beschorneria). La Cellule. 39: 309-397. iv,fold.pl. 1930. no.3.

Weier, T. E.

A comparison of the meiotic prophases in Oenothera lamarckiana and Oenothera hookeri. La Cellule. 39: 271-305. ii fold. pl. 1930. no.3.

Compt. Rend. Acad. Sci. Paris.

Chodat, R.

Nouvelles recherches sur les gonidies des lichens. Compt. Rend. Acad. Sci. Paris. 191: 469-471. S.22, 1930. no.12.

Compt. Rend. Acad. Sci. Paris. (cont.)

Moycho, W.
Formation du pigment chez Bacterium prodigiosum. Compt. Rend. Acad. Sci. Paris. 191: 497-499. S.22, 1930. no.12.

Contr. Dudley Herb. Stanford Univ.

Applegate, E. I.
Some underscribed plants from the Pacific states. Contr. Dudley Herb. Stanford Univ. 1: 151-154. Je. 1930 (Rec'd.S.)no.4.
Erythronium klamathense, E. tuolumnense, Mertensia siskiyouensis n.spp.

McMinn, H. E.
A geographic and taxonomic study of the California species of the genus Ceanothus. Contr. Dudley Herb. Stanford Univ. 1: 121-147. illus. (Map), pl.10. Je. 1930 (Rec'd S.) no.4.

Gard. Chron. (London)

Friend, H.
Horticulture in relation to commerce. X. The Greeks and Phoenicians as traders. (concl.) Gard. Chron. III, 88: 214. S.13, 1930. no.2281.

Hay, T.
Gentiana ornata, Wall. Gard. Chron. III, 88: 212-213. S.13, 1930. no.2281.

Hill, A. W.
The lost fragrance of musk. Gard. Chron.III, 88: 259. S.27, 1930. no.2283.
Abstract from his address before Brit. Assoc. Adv. Sci.

Ingram, C.
The brown Afrikander. Gard. Chron. III, 88: 259. illus. S.27, 1930. no.2283.
Gladiolus grandis.

Wormald, H.
Bacterial blight of walnuts. Gard. Chron. III, 88: 216-218. illus. S.13, 1930. no.2281.

Gard. Chron. Amer.

Australian correas. Gard. Chron. Amer. 34: 373. illus. O.1930. no.10.

Hacienda, (New York)

Rosenfeld, A.H.

Variedades de caña de azúcar immunes o muy resistentes al mosaico. Hacienda. 25: 440-443. illus. O.1930. no.10.

Heil & Gewürz-Pflanzen. (Munich)

Dafert, O. & Löwy, H.

Der mangangehalt des bodens und sein einfluss auf die entwicklung von Digitalis purpurea L. Heil & Gewürz-Pflanzen. 13: 23-26. Je.2, 1930. no.1.

Golberg, I. K.

Ueber das sammeln von wildwachsenden arzneipflanzen in Aserbaidschan. Heil & Gewürz-Pflanzen. 13: 31-35. Je.2, 1930. no.1.

Kreyer, G. K.

Ertragshöhe und drogenqualität in arzneipflanzenbau. Kritische untersuchungen. Heil & Gewürz-Pflanzen. 13: 1-23. illus. Je.2, 1930. no.1.

Marzell, H.

Die deutschen namen der einheimischen heilpflanzen. Heil & Gewurz-Pflanzen. 13: 35-42. Je.2, 1930. no.1.

Indian For. (Dehra Dun)

Hakimuddin, M.

Lantana in northern India as a pest and its probable utility in solving the cowdung problem. Indian For. 56: 405-410. S.1930. no.9.

L. camara.

Industr. & Engin. Chem. (Easton, Pa.)

Robertson, G. R.

The agar industry in California. Industr. & Engin. Chem. 22: 1074-1077. illus. O.1930. no.10.

Gelidium cartilagineum.

Industr. Saccarifera Ital. (Genova)

Mezzadroli, G. & Vareton, E.

Azione delle onde elettromagnetiche ultracorte sulla germinazione dei semi e sull' accrescimento delle piante. Esperienze eseguite sulle bietole. Industr. Saccarifera Ital. 23: 353-361. illus. Ag. 1930. no.8.

Industr. Saccarifera Ital. (cont.)

Munerati, O.

La lotta contro la Cercospora della barbatietola in dottrina e nella pratica applicazione. (concl.) Industr. Saccarifera Ital. 23: 347-349. Ag. 1930. no. 8.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad)

Komarov, V. L.

... Le genre Phacellanthus Sieb. et Zucc. en extrême-orient. Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1930: 267-274. illus. 1930. no.3.

Russian with Latin diagnosis of n.sp. (P.continentalis)

Izv. Biuro Genetike (Bull. Bur. Genetics) (Leningrad)

Filipchenko, J.

... Genes and the development of the form of ear in wheat. Izv. Biuro Genetike (Bull. Bur. Genetics) 7: 1-29. illus., fold. tab. 1929 (Rec'd O.1930).

Russian with English summary.

Preliminary paper publ. in Biol. Zentralbl., v.49, p.1-16.

Filipchenko, J.

... On imaginary cases of simple segregation. Izv. Biuro Genetike. (Bull. Bur. Genetics) 6: 1-32. 1928 (Rec'd O.1930).

Russian with English summary.

Lepin, T. K.

... Inheritance of quantitative characters in durum wheats. I. Inheritance of glume-length in the crosses Triticum polonicum L. x T. durum Desf. Izv. Biuro Genetike (Bull. Bur. Genetics) 7: 41-68. illus., 2 fold. tab. 1929 (Rec'd O.1930).

Russian with English summary.

Vasil'ev, B. I.

... On the cytology of speltoids. Izv. Biuro Genetike (Bull. Bur. Genetics) 7: 31-39. 1929. (Rec'd O.1930).

Russian with English summary.

Journ. Agr. Res. (Washington, D. C.)

Butler, L. F.

Corticium centrifugum, a heterothallic pathogene of apples. Journ. Agr. Res. 41: 269-294. illus., 1 pl. (col.) Ag.15, 1930. no.4.

Colley, R. H. & Rumbold, C. T.

Relation between moisture content of the wood and blue stain in loblolly pine. Journ. Agr. Res. 41: 389-399. pl. 1-2. S.1, 1930. no.5.

Darrow, G. M.

Experimental studies on the growth, and development of strawberry plants. Journ. Agr. Res. 41: 307-325. Ag.15, 1930. no.4.

Kearney, T. H.

Short branch, another character of cotton showing monohybrid inheritance. Journ. Agr. Res. 41: 379-387. illus. S.1, 1930. no.5.

Kinman, C. F.

A study of some unproductive cherry trees in California. Journ. Agr. Res. 41: 327-335. illus. Ag.15, 1930. no.4.

Klotz, L. J. & Fawcett, H. S.

The relative resistance of varieties and species of citrus to Pythiacystis gummosis and other bark diseases. Journ. Agr. Res. 41: 415-425. S.1, 1930. no.5.

Lauritzen, J. I. & Wright, R.C.

Some conditions affecting the storage of peppers. Journ. Agr. Res. 41:295-305. pl. 1. (col.) Ag.15, 1930. no.4.

Journ. Bombay Nat. Hist. Soc.

Blatter, E.

The flowering of bamboos. III. Journ. Bombay Nat. Hist. Soc. 34: 447-467. Jl.1930. no.2.

Blatter, E.

Revision of the flora of the Bombay Presidency. XII. Journ. Bombay Nat. Hist. Soc. 34: 291-306. Jl. 1930. no.2.

Blatter, E. & Millard, W. S.

Some beautiful Indian trees. Pt. IV. Journ. Bombay Nat. Hist. Soc. 34: 371-275. illus., 4 pl. (2 col.) J.1930. no.2.

Journ. Bombay Nat. Hist. Soc. (cont.)

Blatter, E.
A terrestrial orchid found epiphytic. Journ. Bombay Nat. Hist. Soc. 34:599. Jl. 1930. no.2.
Cheirostylis flabellata.

Blatter, E.
What age can a tree reach? Journ. Bombay Nat. Hist. Soc. 34: 594-597. Jl.1930. no.2.

Fernandez, J.
A list of mosses from Darjeeling district. Journ. Bombay Nat. Hist. Soc. 34: 600-601. Jl. 1930. no.2.

Khanna, L. P.
Collecting of liverworts at Maymyo. Journ. Bombay Nat. Hist. Soc. 34: 599-600. Jl. 1930. no.2.

McCann, C.
Notes on some of the wild species of Aroids. Journ. Bombay Nat. Hist. Soc. 34: 518-521. illus. 3 pl. on 2. Jl. 1930. no.2.

McCann, C.
Notes on Tacca pinnatifida, Forst. Journ. Bombay Nat. Hist. Soc. 34: 597-598. illus. Jl.1930. no.2.

Robinson, M.
Flowerless plants. IV. Journ. Bombay Nat. Hist. Soc. 34: 420-430. pl.i-v. Jl.1930. no.2.

Journ. Bot. (London)

Bennett, A., Salmon, C. E. & Matthews, J. R.
Second supplement to Watson's "Topographical botany" (concl.) Journ. Bot. 68(suppl.): 89-99. S.1930. no.813.

Chattaway, M. M.
Notes upon some abnormal flowers of the Campernel jonquil. Journ. Bot. 68:275-280. illus. S.1930. no.813.

Grove, W. B.
New or noteworthy fungi XI. Journ. Bot. 68: 270-275. S.1930. no.813.
New species in Phomopsis; Diaporthe leycesteriae n.sp.

Journ. Bot. (cont.)

Watson, W.

Lichenological notes. V. Journn. Bot. 68: 265-270. S.1930. no.813.

Biatorella flavocinerea sp.nov.

Westbrook, M. A.

Notes on the distribution of certain marine red algae. Journ. Bot. 68: 257-264. S.1930. no.813.

Asparagopsis hamifera, Triailliella intricata, Antithamnionella sarniensis, Erythrocladia.

Willis, H. G.

Pollination of the fly orchis. Journ. Bot. 68: 280-283. S.1930. no.813.

Ophrys muscifer.

Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo.

Yamamoto, Y.

Ein beitrag zur kenntnis der gattung Rhizopus. II. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo. 28: 103-327. Ag.1930. no.2.

Journ. Maryland Acad. Sci. (Baltimore)

Hurd-Karrer, A. M.

The formative effect of day length on wheat seedlings. Journ. Maryland Acad. Sci. 1: 115-126. illus. Ap.1930 (Rec'd S.) no.2.

Journ. N.Y. Bot. Gard.

Merrill, E. D.

The improbability of pre-Columbian Eurasian-American contacts in the light of the origin and distribution of cultivated plants. Journ. N.Y. Bot. Gard. 31:209-212. S.1930. no.369.

Journ. Pharm. & Chim. (Paris)

Bridel, M. & Bourdouil, Mlle.C.

L'unédoside, nouveau glucoside hydrolysable par l'émulsine, retiré des feuilles et des rameaux frais de l'arbousier. Journ. Pharm. & Chim. 12: 241-253. S.15, 1930. no.6.

Journ. Sapporo Soc. Agr. & For.

Tatewaki, M.

The vegetation along the river Toyohira in the vicinity of Sapporo. Journ. Sapporo Soc. Agr. & For. 22: 87-115. Ag.1930. no.100.

In Japanese.

Journ. Washington Acad. Sci.
Drechsler, C.
Some new species of Pythium. Journ. Washington Acad. Sci. 20: 398-418. 0.4,1930. no.16.

Morton, C. V.
A new cannon-ball tree from Panama. Journ. Washington Acad. Sci. 20: 396-398. illus. 0.4, 1930. no.16.
Couroupita cutteri.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin)
Schlumberger, O.
Die produktion krebsfester anerkannter pflanzkartoffeln im jahre 1929. Kartoffel. Zeitschr. Kartoffelbauges. 10: 189-190. S.16, 1930. no.18.

Maataloustiet. Aikak. [Agri.Mag.] (Helsingfors)
Teräsvuori, K.
Kasvien runsauden ja yleisyyden määräämistavoista. Katsaus suomen kasvimaantieteelliseen kirjallisuuteen. (Ueber die bestimmungsmethoden der abundanz und frequenz der pflanzen. Ueberblick über die finnische pflanzengeographische literatur). Maataloustiet. Aikak. [Agri.Mag.] 2: 1-19. 1930. no.1.
German referat: p.19.

Missouri Bot. Gard. Bull. (St. Louis)
Glad-e-ó-luss or glad-eyé-o-luss? Missouri Bot. Gard. Bull. 18: 122-125. S.1930. no.7.
Note on pronunciation.

Jensen, L. P.
Wild flowers at the Gray Summit Extension. Missouri Bot. Gard. Bull. 18: 126-127. S.1930. no.7.

The trailing ground pine found for the first time in Missouri. Missouri Bot. Gard. Bull. 18: 125, S.1930. no.7.
Lycopodium complanatum.

Mitt. Naturf. Ges. Bern.
Blum, G.
Die messung osmotischer zustandsgrössen am naturlichen standort. Mitt. Naturf. Ges. Bern. 1929: xxxii-xxxiv. 1930.

Mitt. Naturf. Ges. Bern.(cont.)

Fischer, E.
Ueber das ergebnis eines infektionsversuches mit dem mediterranean Gymnosporangium gracile. Mitt. Naturf. Ges. Bern. 1929: xxxii. 1930.

Fischer, E.
Ueber einige probleme aus dem gebiete der pilzlichen infektionskrankheiten der pflanze. Mitt. Naturf. Ges. Bern. 1929: vii-viii. 1930.

Fischer, E.
Untersuchungen von Fräulein E. Stein über die kleinarten von uredineen aus der gruppe der Puccinia asteris. Mitt. Naturf. Ges. Bern. 1929: xxx-xxxi. 1930.

Frey, E.
Die vegetative vermehrung der flechten. Mitt. Naturf. Ges. Bern. 1929: xxvii-xxviii. 1930.

Lüdi, W.
Ist unsere bergföhre ein bastard? Mitt. Naturf. Ges. Berne. 1929: xxix-xxxii. 1930.

Lüdi, W.
Das siehenmoos bei Eggiwil im Emmental und seine geschichte. Mitt. Naturf. Ges. Berne. 1929: 1-33. 1930.

Maurizio, A.
Einige pilze aus dem bienenstock. Mitt. Naturf. Ges. Berne. 1929: xxiii-xxv. 1930.

Rosenthäler, L.
Biochemisches über organische pflanzenbasen, besonders die des tabakes. Mitt. Naturf. Ges. Bern. 1929: ix-x. 1930.

Frey, E.
Zwei lichenologische entdeckungen a) Lecanephebe meylani Frey, nov.gen. et sp. b) Gyrophoren mit manuerförmigen, brauen sporen. Mitt. Naturf. Ges. Bern. 1929: xxi-xxii. 1930.

Mitt. K. Naturw. Inst. Sofia.

Stefanoff, B.
Historische übersicht der untersuchungen über die flora bulgariens. Mitt. K. Naturw. Inst. Sofia. 3: 61-112. illus. (port.) 1930.
In Bulgarian and German.

Mitt. K. Naturw. Inst. Sofia. (cont.)

Stefanoff, B.

Poa borisii nov. spec. Mitt. K. Naturw. Inst. Sofia. 3: 138-140. illus. 1930.

Stojanoff, N.

Kritische studien und kleine mitteilungen aus dem herbar des Königlichen naturhistorischen museums in Sofia. Mitt. K. Naturw. Inst. Sofia. 2: 257-272. illus. 1929; 3: 119-137. illus. 1930.

Stojanoff, N.

Potentilla regis borisii sp.n. e sect.rupestres eine neue pflanzenart aus Bulgarien. Mitt. K. Naturw. Inst. Sofia. 3: 249-252. illus. 1930.

Stojanoff, N. A.

Ueber die in Bulgarien vorkommenden formen von Verbascum humile Janka. Mitt. K. Naturw. Inst. Sofia. 1: 142-144. illus. 1928.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Nobis, F.

Semperviven. Möller's Deut. Gärtn.-Zeit. 45: 302-304. illus. S.11,1930. no.26.

Nat. Hort. Mag. (Washington)

Correvon, H.

The sempervivums - les joubarbes. (cont.) Nat. Hort. Mag. 9: 191-201. illus. O.1930. no.4. (Transl. by B. Y. Morrison).

Frye, E. M.

Three interesting westerners. Nat. Hort. Mag. 9: 219-220. O.1930. no.4.

Ceanothus prostratus, Lutkea pectinata, Mimulus lewisi.

Jones, B.

Pinus thunbergii on Nantucket. Nat. Hort. Mag. 9: 181-190. illus. O.1930. no.4.

Nature. (London)

Bolas, B. D. & Bewley, W. F.

Aucuba or yellow mosaic of the tomato: a note on metabolism. Nature. 126: 471. illus. S.27, 1930. no.3178.

Capinpin, J. M.

Chromosome behaviour of triploid Oenothera. Nature. 126: 469-470. S.27, 1930. no.3178.

Harris, G. T.

Mortality amongst plants. Nature. 126: 472. S.27, 1930. no.3178.

Hill, A. W.

Present-day problems in taxonomic and economic botany. Nature. 126: 476-479. S.27, 1930. no.3178.

Mrs. Albert Howard. Nature. 126: 445-446. S.20, 1930. no.3177.

Sreenivasaya, M.

Occurrence of mannitol in spike disease of Santalum album (Linn.) Nature. 126: 438. S.20, 1930. no. 3177.

Naturwissensch. (Berlin)

Touton, K.

Die hautreizungen durch primelin und sumache (Rhus). Naturwissensch. 18: 828-832. S.26, 1930. no.39.

New Phytol. (London)

Bancroft, H.

The arborescent habit in Angiopserms. A review. New phytol. 29: 153-169. S.17, 1930. no.3.

Good, R. D.

The geography of the genus Coriaria. New Phytol. 29: 170-198. illus. (map) S.17, 1930. no.3.

Thomas, E.N.M. & Holmes, L.E.

The development and structure of the seedling and young plant of the pineapple (Ananas sativus) New Phytol. 29: 199-226. illus. S.17, 1930. no.3.

Perfum. & Essent. Oil Rec. (London)

Hill, A. W.

Taxonomic and economic botany. Perfum. & Essent. Oil Rec. 21: 371-373. S.23,1930. no.10.

Excerpts from presidential address at British Assoc. Adv. Sci.

Pharm. Zentralh. (Dresden)

Tröger, J.

Ueber einige im altertum zu gewerblichen zwecken verwendete pflanzen. Pharm. Zentralh. 71: 593-598. S.18, 1930. no.38.

Philipp. Agr. (Los Baños)

Celino, M. S.

A fungous disease of the coconut leaf miner (Promecotheca cumingii Baly). Philipp. Agr. 19: 253. S.1930. no.4.

Fungus not named.

Ocfemia, G. O.

Frank Lincoln Stevens: first Charles Fuller Baker Memorial Professor of the University of the Philippines. Philipp. Agr. 19: 199-202. port. S.1930. no.4.

Philipp. Journ. Sci. (Manila)

Santos, J. K.

Leaf and bark structure of some cinnamon trees with special reference to the Philippine species. Philipp. Journ. Sci. 43: 305-365. illus., pl.1-21. O.1930. no.2.

Phytopath.

American phytopathological society - Pacific division.

Report of the 14th annual meeting [with abstracts] Phytopath. 20: 849-856. O.1930. no.10.

Bennett, C. W.

Further observations and experiments on the curl disease of raspberries. Phytopath. 20: 787-802. illus. O.1930. no.10.

Ezekiel, W. N., Taubenhaus, J. J. & Carlyle, E. C.

Soil-reaction effects on Phytomatotrichum root rot. Phytopath. 20: 803-815. illus. O.1930. no.10.

Phytopath. (cont.)

Ivanoff, S. S. & Riker, A. J.
Studies on the movement of the crown-gall organism within the stems of tomato plants. Phytopath. 20: 817-829. illus. O.1930. no.10.

McClintock, J. A.
The longevity of Phyllosticta solitaria E. and E. on apple seedlings held in cold storage. Phytopath. 20: 841-848. illus. O.1930. no.10.

Taubenhaus, J. J. & Ezekiel, W. N.
Studies on the overwintering of Phytomatotrichum root rot. Phytopath. 20: 761-785. illus. O. 1930. no.10.

Valleau, W. D. & Johnson, E. M.
Some possible causes of streak in tomatoes. Phytopath. 20: 831-839. O.1930. no.10.

Proc. Biol. Soc. Washington.

Blake, S. F.
Two new Asteraceae from Mexico collected by Georges Woronow. Proc. Biol. Soc. Washington. 43: 163-165. S.26, 1930.
Verbesina pterocarpha; Haplocalymma woronowii.

Maxon, W. R. & Standley, P. C.
Ferns of the Republic of Salvador. Proc. Biol. Soc. Washington. 43: 167-178. S.26,1930.

Morton, C. V.
A new Banisteria from Brazil and British Guiana. Proc. Biol. Soc. Washington. 43: 157-159. S.26,1930.
Banisteria mossii.

Proc. K. Akad. Wetensch. Amsterdam.

Verkaik, C.
Ueber das entstehen von zygophoren von Mucor mucedo (+) unter beeinflüssung eines von Mucor mucedo (-) abgeschiedenen stoffes. Proc. K. Akad. Wetensch. Amsterdam. 33: 656-658. illus. 1 pl. 1930. no.6.

Publ. Field Mus. Nat. Hist. Bot. Ser.

Standley, P. C.
Flora of Ycatan. Publ. Field Mus. Nat. Hist. 279, Bot. Ser. 3: 157-492. S.11, 1930. no.3.

Rep. Meet. Res. Work. Gezira Res. Farm.

Gregory, F. G.

Physiological aspects of the cotton plant in Gezira. Rep. Meet. Res. Work. Gezira Res. Farm. 1928: 37-44. 6 pl. (diagrs.)

Res. Stud. State Coll. Washington. (Pullman)

Leffingwell, A. M.

Morphological study of bulb and flowers of Camassia quamash (Pursh) Greene. Res. Stud. State Coll. Washington. 2: 80-89. illus. My. 1930. no.2.

Stevenson, F. J.

Genetic characters in relation to chromosome numbers in a wheat species cross. Res. Stud. State Coll. Washington. 2: 78-79. My.1930. no.2.

Summary of thesis.

Rev. Hort. (Paris)

Guillaumin, A.

Les cactées, principales espèces. (cont.) Rev. Hort. 102: 210-213. illus. S.16, 1930. no.9.

Schweiz. Zeitschr. Obst-u.Weinb. (Wädenswit)

Osterwalder, A.

Von einer bisher unbekannten fleckenkrankheit an unreifen aepfeln. Schweiz. Zeitschr. Obst-u. Weinb. 66: 406-409. illus. S.27, 1930. no.20.

Undetermined, not Stemphylium.

Science. (Lancaster, Pa.)

Capinpin, J. M.

Brazilin stain on smear preparations of Oenothera pollen mother cells. Science. 72: 370-371. O.10, 1930. no.1867.

Darrow, G.M. & Waldo, G. F.

Fruit-bud formation in the strawberry in spring in south-eastern states. Science. 72: 349-350. O.3, 1930. no.1866.

Hubert, E. E.

Forest pathology. Science. 72: 351-356. O.10, 1930. no.1867.

Scient. Agr. (Ottawa)

Gordon, W. L.

Effect of temperature on host reactions to physiologic forms of Puccinia graminis avenae, Erikss. & Henn. Scient. Agr. 11: 95-103. illus. O.1930. no.2.

Peturson, B.

Effect of temperature on host reactions to physiologic forms of Puccinia coronata avenae, Scient. Agr. 11: 104-110. O.1930. no.2.

Simmonds, P.M.

Smut of wild oats. Scient. Agr. 11: 78-79. O.1930. no.2.

Ustilago levis on Avena fatua.

So. African Gard. (Johannesburg)

Blatt, R. J.

Trunk diseases in citrus. So. African Gard. 17: 197-200. illus. Ag.1930. no.8.

South. Flor. (Fort Worth, Tex.)

Taubenhaus, J.J. & Ezekiel, W. N.

Recent progress of root-rot research. South. Flor. 29(26): 10-11, 18-21. O.3, 1930. no.26.

Stain Techn.

Crowell, I. H.

Cutting microscopic sections of wood without previous treatment in hydrofluoric acid. Stain Techn. 5: 149-150. O.1930. no.4.

Tuan, H.

Picric acid as a destaining agent for iron alum hematoxylin. Stain Techn. 5: 135-138. O. 1930. no.4.

Succulenta. (Leeuwarden)

Duursma, G. D.

Echinocactusplatensis varieteit terweemeanus Teucq. Succulenta. 12: 137-139. illus. Jl. 1930. no.7.

Knip, K. M. & Houten, J. M. van den.

How heet die cactus? (cont.) Succulenta. 12: 139-150. Jl. 1930. no.7.

Succulenta. (cont.)

Maass, C. A.

(Mesembrianthemum) Bijlia cana (Haw.) N.E. Br. - Mesembr. tugwelliae L. Bolus. Succulenta. 12: 109-112. illus. Je.1930. no.6.

Das Superphosphat. (Berlin)

Schmitt,

Einfluss der bodens und der düngung auf das auftreten der schwarzbeinigkeit des weizens (Ophiobolus graminis). Das Superphosphat. 6: 147. Ag.5, 1930. no.7/8.

Svensk. Bot. Tidskr.

Arrhenius, O.

Berberis i Södertörn. Svensk Bot. Tidskr. 24: 319-321. illus. (map) 1930. no.2.

Arwidsson, Th.

Beitrage zur kenntnis der fortpflanzungsorgane der Caulerpa. Svensk. Bot. Tidskr. 24: 262-279. illus. 1930. no.2.

Ekman, E.

Contribution to the Draba flora of Greenland. II. Svensk Bot. Tidskr. 24: 280-297. pl.ii. 1930. no.2.

Continuation of her Studies in the genus Draba.

Fröman, I.

Kärlväxtlokaler i nordöstra Södertörn. Svensk. Bot. Tidskr. 24: 311-319. illus. 1930.

Malme, G.O.A.

Ett bidrag till Spetsbergsöarnas lavflora. (Ein beitrag zur flechtenflora der Spitzbergischen Inseln). Svensk. Bot. Tidskr. 24: 298-300. 1930. no.2.

Mörner, C.Th.

Discomyceten Urnula craterium (Schw.) Fr. -- en för Sverige ny storsvamp. Svensk. Bot. Tidskr. 24: 301-310. illus. 1930. no.2.

Philipson, C.

Growth and absorption by oats in relation to varying concentrations of calcium and sodium in the nutrient solution. Svensk Bot. Tidskr. 24: 155-262. 1930. no.2.

Trop. Agriculture West Indies. (Trinidad)

Wardlaw, C. W.

Panama disease research. A discussion of the relation of results obtained to field conditions. Trop. Agriculture West Indies. 7: 278-281. O. 1930. no.10.

U.S. Dept. Agr. Plant Dis. Rep.

Beach, W. S.

Disease survey of tobacco fields in Pennsylvania. U.S. Dept. Agr. Plant Dis. Rep. 14: 194-196. O.1, 1930. no.19.

Davis, W. H.

Field survey of tobacco diseases in Massachusetts. U.S. Dept. Agr. Plant Dis. Rep. 14:192-193. O.1, 1930. no. 19.

Dutch elm disease found in the United States. U.S. Dept. Agr. Plant Dis. Rep. 14: 183-184. S.15, 1930. no.18.

Gaines, J. G.

Seedbed survey in Georgia, March to April, 1930. U.S. Dept. Agr. Plant Dis. Rept. 14: 191-192. O.1, 1930. no. 19.

Jehle, R. A.

Report of tobacco disease field survey in Maryland. U.S. Dept. Agr. Plant Dis. Rept. 14: 196. O.1, 1930. no. 19.

Ringspot (virus) on cantaloupe in Virginia. U.S. Dept. Agr. Plant Dis. Rep. 14: 187. S.15, 1930. no.18.

Thomas, H.E. & Clara, F.M.

Field survey of tobacco diseases in New York state. U.S. Dept. Agr. Plant Dis. Rep. 14: 194. O.1, 1930. no.19.

Veröffentl. Geobot. Inst. Rübel, Zurich.

Braun-Blanquet, J.

Zentralalpen und Tatra, eine pflanzensoziologische parallele. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen. 1928. Veröffentl. Geobot. Inst. Rübel, Zurich. 6: 81-123. illus. 1930.

Veröffentl. Geobot. Inst. Rübel, Zurich. (cont.)

Domin, K.

Zur soziologie der chionophytischen pflanzenassoziationen des Tatragebirges. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen 1928. Veröffentl. Geobot. Inst. Rubel, Zurich. 6: 167-190. illus. 1930.

Gams, H.

Ueber reliktföhrenwälder und das Dolomitphänomen. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen 1928. Veröffentl. Geobot. Inst. Rubel. Zurich. 6: 32-80. illus. 1930.

Klika, J.

Remarques sur quelques associations forestières en Tschěcoslovaquie et en Pologne. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen. 1928. Veröffentl. Geobot. Inst. Rubel, Zurich. 6: 124-133. illus. 1930.

Podpěra, J.

Vergleichende studien über das stipetum stenophyllae. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen. 1928. Veröffentl. Geobot. Inst. Rübel, Zurich. 6:191-210. illus. 1930.

Regel, C.

Larix sibirica, Larix europaea, Larix polonica. Ein soziologischer vergleich. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen. Veröffentl. Geobot. Inst. Rübel, Zurich. 6: 211-236. 1 fold.tab. 1930.

Soó, R. v.

Vergleichende vegetationsstudien - Zentralalpen-Karpathen- Ungarn- nebst kritischen bemerkungen zur flora der Westkarpathen. In Ergebnisse Intern. Pflanzengeogr. Inst. Rübel, Zurich. Veröffentl. Geobot. Inst. Rubel, Zurich. 6: 237-323. 1930.

Vierhapper, F.

Vergleichende studien über pflanzenassoziationen der Nordkarpathen und Ostalpen. In Ergebnisse Intern. Pflanzengeogr. Exkur. Tschechosl. u. Polen. 1928. Veröffentl.Geobot. Inst. Rubel, Zurich. 6: 134-166. 1930.

Zeitschr. Bot. (Jena)

Molisch, H.

Neues über die orchideenblüte. Zeitschr. Bot. 22: 593-605. pl.iv-v. S.15, 1930. no.12.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch-Prakt.Teil.

Reiling, H.

Einfluss einiger faktoren auf krankheitserscheinungen der kartoffelknolle. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch-Prakt. Teil. 9: 393-397. illus. S.1930. no.9.

Zeitschr. Pflanzenkr. (Stuttgart)

Goffart, H.

Untersuchungen uber die verschleppung von nematoden durch samen. Zeitschr. Pflanzenkr. 40: 401-416. illus. S./O. 1930. no.9/10.

Exper. Stat. Publ.

Johnson, E. M.

Virus diseases of tobacco in Kentucky. Kentucky Agr. Exp. Sta. Bull. 306. 415 p. incl. xx pl. Je. 1930.

Collison, R. C. & Harlan, J. D.

Variability and size relations in apple trees. New York Agr. Exp. Stat. Tech. Bull. 164. 38 p. Jl. 1930.

Adams, W. R.

The change in the environmental factors caused by thinnings in pine plantations. Vermont Agr. Exp. Stat. Bull. 310. 40 p. illus., 8 pl. on 4. My. 1930.

Studies in tolerance of New England trees no.X.

Heald, F. & Gaines, E. F.

The control of bunt or stinking smut of wheat. Washington Agr. Exp. Stat. Bull. 241. 30 p. illus. Jl.1930.

New Books.

Baker, E. G.

The Leguminosae of tropical Africa. III. Ostend, Unitas Press, Ap.1930.

Caesalpinieae & Mimoseae.

New Books. (cont.)

Beissner, L.
Handbuch der nadelholzkunde... hrsg. von J. Fitschen. 3 vollständig neubearb. aufl. von Beissner's Nadelholzkunde. Berlin, P. Parey, 1930.

Berlin. Biologische reichsanstalt für land- und forst-wirtschaft.
Bibliographie der pflanzenschutzliteratur. Das jahr 1929. Berlin, 1930.

Braun, H.
Der wurzeltöter der kartoffel Rhizoctonia solani K. Berlin, J. Springer, 1930. (Monographien zum pflanzenschutz hrsg. von Dr. H. Morstatt 5.)

Capus, G.
Les produits coloniaux d'origine végétale. Paris, Librarie Larose, 1930.

International congress of botany, 5th, Cambridge, 1930.
Abstracts of communications. Cambridge, University press, 1930.

Fitzpatrick, H.M.
The lower fungi - Phycomycetes. N.Y., McGraw-Hill, 1930.

Hoffmann, R.
Cacti and other succulents. An annotated list of plants in the Santa Barbara region. Compiled and reviewed by Ralph Hoffmann, E.O. Orpet, Eric Walther and James West. Edited by Pearl Chase. Santa Barbara, Garden tours committee, 1930.

New Books. (cont.)

Matsuura, H.
A bibliographical monograph on plant genetics (genic analysis) 1900-1925. Tokyo, 1929 (Contributions to cytology and genetics from the Departments of plant morphology and of genetics, Botanical institute, Faculty of science, Tokyo imperial university, no.82)

Migula, W.
Kryptogamen-flora v.xii/ii Die flechten lfg. 51/52. (Thomé's Flora von Deutschland, Osterreich und der Schweiz...)

Möller, A.
Der waldbau. Nach dem tode A. Möllers bearb,u. hrsg. von H. Möller u.E. Hausendorff. 1 bd. Naturwissenschaftliche grundlagen des waldbaues. Berlin, J. Springer, 1929.

Rübel, E.
Pflanzengesellschaften der erde. Bern-Berlin, H. Huber, 1930.

Schilberszky, K.
Die gesamtbiologie des kartoffelkrebses. München, F.P. Datterer & cie., 1930.

Vines, S. H.
The proteases of plants. London, Macmillan, 1930.

Ward, F. K.
Plant hunting on the edge of the world. London, V. Gollancz, 1930.

Reprints from Journals not yet rec'd.

Grainger, J.
The appearance of bean mosaic in England. Reprinted from Proc. Leeds Phil. Soc. Sci. Sect. v.2, pt.1, p.32. pl. [1930]

Grainger, J.
An attempt to cultivate the virus of tobacco mosaic in vitro. Reprinted from Proc. Leeds Phil. Soc. Sci. Sect. v.2, pt.1. p.33-35. [1930]

Translations filed in Library, Bur. of Plant Industry.

Koningsberger, V. J.
Fidji-ziekte op Java (Fiji disease in Java) Arch, Suikerind. Nederl.-Indië. 38(1): 581-584. Je.1930.

Non-current indexing.

Abhandl. u. Ber. Ver. Naturk, Kassel.

Linstow, O.v.

Einige bemerkungen über die abhängigkeit der flora in der gegend von Kassel von dem untergrund nebst floristichen notizen. Abhandl. u. Ber. Ver. Naturk, Kassel. 57: 5-15. 1929

Linstow, O.V.

Ueber die bodenansprüche von Centaurea pseudophrygia in der gegend von Kassel und weiterer umgebung. Abhandl. u. Ber. Ver. Naturk. Kassel. 57: 16-18. 1 pl. (map) 1929

Biull. Inst. Lugob. i Bolotn. Kultur. V.R. Vil'iamsa (Mitt. Inst. Wies. u. Moork. W.R. Williams)

Ramensky, L. G.

... Bestimmung des deckungsgrades und aufnahme der vegetation. Biull. Inst. Lugob. i Bolotn. Kultur. V.R. Vil'iamsa (Mitt. Inst. Wies. u. Moork. W.R. Williams) no.1. 53 p. illus.,pl. 1929.

Russian.

Biull. Sredne-Aziat. Gosud. Univ. (Bull. Univ. Asie Centr. (Tachkent)

Belozersky, A.

... Comparative characteristic of proteins of several representatives of the family Malvaceae. Biull. Sredne-Aziat. Gosud. Univ. (Bull. Univ. Asie Centr.) 18: 1-4. 1929.

Russian with English summary.

Sovetkina, M.M.

... Die vegetation des Chodschenter Rayons der USSSR (Das linke uber des flusses Syr-Darja). Biull. Sredne-Aziat. Gosud, Univ.(Bull. Univ. Asie Centr.) 18: 87-108. 3 pl. 1929.

Russian with German summary.

Bol. Agr. e Pec. Moçambique.

Doidge, E. & Fuller, C.

Doenças dos craveiros. Bol. Agr. e Pec. Moçambique. 1929: 17-19. Ja./Je. 1930. no.1/2.

Non-Current Indexing. (cont.)

China Journ. (Shanghai)

Porterfield, W. M.

An autogenous chimera in Chrysanthemum and its bearing upon certain biological problems. China Journ. 10: 326-333. illus. Je.1929. no.5.

Skvortzow, B. W.

Notes on trees and shrubs of North Manchuria. China Journ. 10: 334-337. illus. Je. 1929; 12: 214-216. Ap. 1930

1. Populus (P.nakaii, P. girinensis n.spp.).
2. Actinidia

Farming South Africa. (Pretoria)

Dippenaar, B. J.

"Take-all" (Vrotpootjie) in wheat. Farming South Africa. 4: 639-640. illus. Mr.1930. no.48.

Doidge, E. M.

Citrus canker eradication. Farming South Africa. 6: 75-76. My. 1930. no.50.

Wager, V. A.

Fusarium wilt in tomatoes: selection of resistant varieties. Farming South Africa. 4: 645-646. illus. Mr. 1930. no.48.

India Rubber World.

Sauchelli, V.

Spray sulphur for rubber tree protection. India rubber world. 80(6): 65. S.1, 1929.

For mildew.

Landtm. Tidskr. Landtm. (Stockholm)

Hermelin, G.

Nagra tankar i berberisfragan. Landtm. Tidskr. Landtm. 12: 829-830. S.28, 1929. no.39.

Lindfors, T.

Nagra reflexioner angaende arets svartrosthärjningar. Landtm. Tidskr. Landtm. 12: 811-812. S.21, 1929. no.38.

Non-Current indexing. (cont.)

Mitt. Deut. Landw. Ges. (Berlin)
Schaffnit, E.
Ertragseinbussen im getreidebau durch fusskrankheiten. Mitt. Deut. Landw. Ges. 45: 247-250. illus. Mr.22, 1930. no.12.

Mitt. Ges. Vorratsschr. Berlin-Steglitz.
Schlumberger, O.
Kartoffelfäulen, ihre ursachen und verhütung. Mitt. Ges. Vorratssch. Berlin-Steglitz. 6: 10-15. Ja. 1930. no.1.
Late blight, white rot, black leg.

Proc. Crop Sci. Soc. Japan.
Inouye, C.
On the connection between the nucleolus and the spireme in pollen mother cells. Proc. Crop Sci. Soc. Japan. 4: 77-82. pl. My.1929.
Japanese with English summary.

Inouye, C.
Studies in the development of chromosomes in Hordeum. Proc. Crop Sci. Soc. Japan. 5: 29-39. pl.5. O.1929.
Japanese with English summary.

Inouye, C.
Studies on the development of chromosomes in Linum. Proc. Crop Sci. Soc. Japan. 3: 38-50. Ja. 1929.
Japanese.

Kagawa, F.
Comparison of chromosomes among different species in some crops and related plants. Proc. Crop Sci. Soc. Japan. 5: 25-28. O.1929.
Triticum, Hordeum, Aegilops
Japanese.

Kagawa, F.
Cytological studies on the genus crosses between Triticum and Aegilops. Proc. Crop Sci. Soc. Japan. 1: 8-16. D.1927; 4: 51-54. My.1929.
Japanese.

Non-Current indexing. (cont.)

Proc. Crop Sci. Soc. Japan. (cont.)

Kagaw, F.

The size of chromosomes in relation to the studies on the phylogeny of crop plants. Proc. Crop Sci. Soc. Japan. 2: 17-24. Je.1928.

Japanese

Kanô, T.

Cytological studies in Convolvulaceae (preliminary). Proc. Crop Sci. Soc. Japan. 4: 15-21. My.1929.

Japanese.

Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) (Tashkent)

Blagoveshchensky, A.V., Bogoliubova, V.A., Kanunnikova, S.A., Sossiedov, N.I., Toshchevikova, A.G. & Uspenskaja, M.V.

... On the physiology of cotton plant bolls shedding. Trudy Sredne-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.) 10. 53p. 1929.

Russian with English summary.

Zapiski Kiiv Sil's'ko-Gospod. Inst. (Mem. Agr. Inst. Kyiv)

Tolmachov, I. & Pavlovskij, K.

...[Effect of darkness and light on the organic acids in the plant]. Zapiski Kiiv. Sil's'ko-Gospod. Inst.(Mem. Agr. Inst. Kyiv) 2: 1-21. 1927.

Ukrainian with English summary.

Correction.

v.12, no.20, p.12.

Entry Flor.Rev. should be Flor.Exch.

v. 12, no. 20, p. 25

Under Sitzungsb. Naturf. Ges. Univ. Tartu the v. no. should be 36.

le copy

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

NOV 12 1930

Vol. 12, no. 22. Oct.13-25,1930.

Acta Soc. Bot. Polon. (Warazawa)

Badian, J.
Z cytologji miksobakteryj. (Zur zytologie der myxobakterien). Acta Soc. Bot. Polon. 7: 55-71. illus., pl. viii. 1930. no.1.
German summary: p.69-71.

Dabkowska, I.
Nowe stanowisko kotewki mucánskiej. (Une nouvelle station de Trapa muzzanensis Jäggi) Acta Soc. Bot. Polon. 6: 367-369. illus. 1929 (Rec'd O.1930) no.4.
French résumé: p.369.

Kobendza, R.
O kilku nowych gatunkach dla flory polskiej. (Sur quelques espèces nouvelles pour la flore de Pologne). Acta Soc. Bot. Polon. 7: 73-78. 1930. no.1.
French résumé: p.77-78.

Koporska, H.
Spis roślin rzadziej spotykanych w okolicach Lublina i w niektórych innych miejscowościach województwa lubelskiego. (Liste des plantes intéressantes ou rares de la région de Lublin). Acta Soc. Bot. Polon. 6: 350-366. 1929 (Rec'd O.1930) no.4.
French résumé: p.365-366.

Krzemieniewski, S.
Bronisław Dębski. Acta Soc. Bot. Polon. 6: 395-397. 1929 (Rec'd O.1930). no.4.

Kulczyński, S.
Józef Rostafiński. Acta Soc. Bot. Polon. 6: 391-395. port. 1929 (Rec'd O.1930). no.4.

Malinowski, E.
Feliks Kotowski. Acta Soc. Bot. Polon. 6: 397-400. 1929 (Rec'd O.1930). no.4.

Acta Soc. Bot. Polon. (cont.)

Matlakówna, M.

Dalsze badania nad zbożem średniowiecznem z Litwy. (Weitere untersuchung über mittelalterliches getreide aus Littauen.) Acta Soc. Bot. Polon. 6: 370-384. 1929 (Rec'd O.1930). no.4.

German summary: p.381-384.

Szymkiewicz, D.

Études biométriques sur Solidago virga aurea. Acta Soc. Bot. Polon. 6: 341-343. 1929. (Rec'd O.1930). no.4.

Szymkiewicz, D.

Études climatologiques. xix. Sur une nouvelle forme de l'actionomètre blanc-noir. xx. Le limite thermique des arbres existe-t-elle? Acta Soc. Bot. Polon. 6: 385-389. 1929; 7: 1-14. illus., pl.i-vii. 1930.

Szymkiewicz, D.

Sur la symétrie des fleurs terminales. Acta Soc. Bot. Polon. 7: 15-16. illus. 1930. no.1.

Wiśniewski, P.

Beiträge zur kenntnis der ruheperiode der winterknospen von Stratiotes aloides. Acta Soc. Bot. Polon. 7: 17-45, incl. 4 pl. 1930. no.1.

Wodziczko, A.

Gibt es unterschiede in der mikrochemischen natur des casparyschen steifens bei verschiedenen pflanzengruppen? Acta Soc. Bot. Polon. 7: 47-53. 1930. no.1.

Zabłocka, W.

O kilku nowych teratologjach u Taraxacum officinale Web. (Ueber einige teratologische vorkommisse bei Taraxacum officinale). Acta Soc. Bot. Polon. 6: 344-349. illus. 1929 (Rec'd O.1930) no.4.

German summary: p.348-349.

Addisonia. (New York)

Addisonia v.15, no.3. pl.497-504. col. S.1930.

Sabinea florida, Corynella paucifolia, Jacquemontia subsalina, Proustia krugiana, Cestrum laurifolium, Acnistus arborescens, Anoda acerifolia, Mentzelia aspera.

Amer. Bot. (Indianapolis, Ind.)

Clute, W.N.

The meaning of plant names, xliv. Autumn composites. Amer. Bot. 36: 186-192. 0.1930. no.4.

Clute, W. N.

The smoke tree. Amer. Bot. 36: 183-184. 0.1930. no.4.

How often does a branch bear leaves? Amer. Bot. 36: 199-202. 0.1930. no.4.

New form of ironweed. Aerm. Bot. 36: 224-225. 0.1930. no.4.

Vernonia altissima lilacina.

The rest period of plants. Amer. Bot. 36: 192-197. 0. 1930. no.4.

The structure of plants. Amer. Bot. 36: 202-211. 0. 1930. no.4.

Water in the plant. Amer. Bot. 36: 211-215. 0. 1930. no.4.

Ann. Mycol. (Berlin)

Blochwitz, A.

Standorte und geographische verbreitung der schimmelpilze. Ann. Mycol. 27: 241-268. 1930. no.3/4.

Cejp, K.

Neue beiträge zur kenntnis der resupinaten arten der hydnaceen in Böhmen. Ann. Mycol. 27: 287-290. 1930. no.3/4.

Dastur, J. F. & Singh, J.

A new Nematospora on cotton bolls in the Central Provinces. (India). Ann. Mycol. 27: 291-296. illus. 1930. no.3/4.

N.nagpuri.

Dearness, J. & Sanford, G. B.

A new species of Plenodomus. Ann. Mycol. 27: 324-325. 1930. no.3/4.

P. meliloti.

Ann. Mycol. (cont.)

Dietel, P.

Ueber einige neue Puccinia-arten aus Asien. Ann. Mycol. 27: 273-277. 1930. no.3/4.

Puccinia johreniae, P. johreniae alpinae, P. stauntoniae, P. adenophorae.

Gräflinger, T.

Zur kenntnis der kleinarten von Uromyces scillarum. Ann. Mycol. 27: 321-323. 1930. no.3/4.

Hiratsuka, N.

Ueber einige interessante oder für Japan neue rostpilze. Ann. Mycol. 27: 278-280. 1930. no.3/4.

Sartory, A., Sartory, R. & Meyer, J.

Etude d'un Acrostalagmus nouveau: Acrostalagmus cinnabarinus, variété minimus. Ann. Mycol. 27: 269-272. pl. ii. 1930. no.3/4.

Savulescu, T. & Rayss, T.

Contribution à la connaissance des péronosporacées de Roumanie. Ann. Mycol. 27: 297-320. illus. 1930. no.3/4.

Stevens, F. L.

Parasitic fungi from Panama. Ann. Mycol. 27: 281-286. illus. 1930. no.3/4.

Phyllachora davillae, Dictyochora paspali, Mycosphaerella erythrinae, n.spp.

Ann. Univ. Stellenbosch. (Cape Town)

Markötter, E. I.

'n Plantegeografiese skets en die flora van Witzieshoek, O.V.S.; Oliviershoekpas, Natal; en Koolhoek, O.V.S. Ann. Univ. Stellenbosch. v.8. Ser.A, no.1. 50 p. F.1930.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin)

Gilg, E. & Schürhoff, P.N.

Entwicklungsgeschichtliche untersuchungen über radix saponariae. Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 476-485. 1.pl. 0.1930. no.7.

Saponaria officinalis.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (cont.)

Mannich, C., Mohs, P. & Mauss, W.

Ueber die glykoside von Digitalis lanata Ehrh. Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 453-476. O.1930. no.7.

Bergcultures. (Batavia, Java)

Cohen Stuart, C. P.

Iets over de waarde van "hybride-type" bij thee. Bergcultures. 4: 983-984. S.13, 1930. no.37.

Biochem. Journ. (London)

Ahmad, B.

Observations on a diatom (Nitzschia closterium W. Sm.) as a source of vitamin A. Biochem. Journ. 24: 860-865. 1930. no.4.

Barton-Wright, E. C. & Pratt, M.C.

Studies in photosynthesis. I-II. I. The formaldehyde hypothesis. II. The first sugar of carbon assimilation and the nature of the carbohydrates in the narcissus leaf. Biochem. Journ. 24: 1210-1216, 1217-1234. 1930. no.4.

Campbell, W. G.

The chemistry of the white rots of woods, I. The effect on wood substance of Polystictus versicolor (Linn.) Fr. Biochem. Journ. 24: 1235-1243. 1930. no.4.

Norris, F. W. & Preece, I.A.

Studies on hemicelluloses. I. The hemicelluloses of wheat bran. Biochem. Journ. 24: 59-66. 1930. no.1.

Preece, I.A.

Studies on hemicelluloses. II. The hemicelluloses of maize. Biochem. Journ. 24: 973-979. 1930. no.4.

Biol. Medd. K. Danske Vidensk. (København)

Børgesen, F.

Marine algae from the Canary Islands, especially from Teneriff and Gran Canaria. III. Rhodophyceae. pt. 3. Ceramiales. Biol. Medd. K. Danske Vidensk. v.9, no.1. 159 p. illus. 1930. no. 1.

Biol. Medd. K. Danske Vidensk. (cont.)
Ostenfeld, C. H. & Larsen, C. S.
The species of the genus Larix and their geographical distribution. Biol. Medd. K. Danske Vidensk. v.9, no.2. 106 p. illus., maps. 1930.

Bol. Agr. Min. Industr. Colombia.
Pérez Arbelàez, E.
La expedicion botanica Colombiana. Bol. Agr. Min. Industr. Colombia. 3: 528-537. Je.1930. no.9.

Bull. Agence Gén. Colon. France. (Paris)
Heim de Balsac, F., Maheu, J., Lefèvre, L. & Parveaud, A.
Valeur, comme matières tannantes, des écorces de "cay-xu" (Aegiceras majus Goertn. - Myrsin). et de "chu-me")Phyllanthus emblica L. - Euphorb.) du Tonkin. Bull. Agence Gén. Colon. France. 23: 710-722. 2 pl., fold. Ag./S 1930. no.259.

Bull. Amer. Peony Soc.
Kile, O. M.
Plant patent information. Bull. Amer. Peony Soc. 25(43): 17-18. S.1930.

Bull. Assoc. Chim. Sucrerie & Distill. France & Colon. (Paris)
Sornay, P. de.
Le sodium chez les plantes. Bull. Assoc. Chim. Sucrerie & Distill. France & Colon. 47: 370-377. S.1930. no.9.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles)
Wildeman, E.de.
Morphologie du Zygnema ericetorum (Kuetz). Hansg. Bull. Cl. Sci. Acad. Roy. Belg. 16: 422-426, incl. pl. 1930. no.4.

Bull. Pan Amer. Union.
Killip, E. P. & Smith, A.C.
A botanical trip to eastern Peru and Amazonian Brazil. Bull. Pan Amer. Union. 64: 997-1009. illus. O.1930. no.10.

Burma Forest Bull.

Aiyar, G.K., Parkinson, C.E. & Peacock, D.H.

Notes on the Burmese species of plants yielding chaulmugra oil. Burma For. Bull. 21(Econ. Ser.3) 22 p. 4 pl. 1930.

Taraktogenos kurzii, Hydnocarpus anthelmintica, H. dawnensis, H. verrucosa, Asteriastigma macrocarpa, Gynocardia odorata.

Chem. & Industr.

Hilditch, T. P. & Priestman, J.

The component glycerides of Stillingia (Chinese vegetable) tallow. Chem. & Industr. 49: 397T-400T. O.10,1930. no.41.

Chinese vegetable tallow, Stillingia sebifera.

Levi, A. A.

An alkaloid-glucoside found in Solanum aviculare. Chem. & Industr. 49: 395T-396T. O.3, 1930. no.40.

Purapurine, has no physiological effect.

[Circ] Secc. Prop. e Inform. Min. Agr. Argentine. (Buenos Aires)

Blanchard, E. E.

Principales insectos y enfermedades que perjudican los cultivos citricos en la República Argentine. 815. 114 p. illus., pl. i-viii. (partly col.) Ag.1930.

Compt. Rend. Acad. Sci. Paris.

Costantin, J.

Les certificats phytopathologiques de non-dégénérescence de la pomme de terre dans l'Amérique du nord. Compt. Rend. Acad.Sci. Paris. 191: 534-536. O.6, 1930. no.14.

Davy de Virville, A.

Existence d'une zone de végétation inèdite sur le littoral du massif armoricain: la zone à Caloplaca marina Weddell. Compt. Rent. Acad. Sci. Paris. 191: 577-578. O.6, 1930. no.14.

Lagatu, H. & Maume, L.

Réponse explicite du diagnostic foliaire, alors que les autres moyens d'observation restent muets. Compt. Rend. Acad. Sci. Paris. 191: 579-580. O.6, 1930. no.14.

Grape.

Compt. Rend. Acad. Sci. Paris. (cont.)

Loubière, A.

Sur la vascularisation intra-nucellaire des Trigonospermales. Compt. Rend. Acad. Sci. Paris. 191: 574-576. O.6, 1930. no.14.

Contr. Gray Herb. (Boston)

Johnston, I.M.

Studies in the Boraginaceae VIII. Contr. Gray Herb. 92: 3-95. 1930.

1. Observations on the species of Cordia and Tournefortia known from Brazil, Paraguay, Uruguay and Argentina. 2. Taxonomic notes concerning various borages.

Curt. Bot. Mag.

Curtis Bot. Mag. v.154, pt. 1. col. pl.9205-9215. S.30, 1930.

Lilium formosanum, Maxillaria elatior, Rhododendron albrechtii, Codonopsis ovata, Ligustrum quihoui, Primula sikkimensis microdonta, Osmanthus fragrans aurantiacus, Arisaema purpureogaleatum, Leontopodium haplophylloides, Acacia elata, Veronica teucrium thracica.

Desert. (Pasadena)

Gates, H. E.

Machaerocereus gummosus, Machaerocereus eruca. Desert. (Pasadena) 2: 83. illus. O.1930. no.6.

Howard, F. K.

Nematodes -- what can we do about them? Desert (Pasadena) 2: 82. illus. O.1930. no.6.

Jones, M. E.

Early botanizing. (cont.) Desert (Pasadena) 2: 81, 88. O.1930. no.6.

Rost, E. C.

Astrophytum myriostigma or "Bishop's cap" Desert (Pasadena) 2: 79-80. illus. O.1930. no.6.

Deut. Zuckerind. (Berlin)

Hülsenberg, H.

Ueber eine verbreitete krankheitserscheinung an zuckerrüben in der Provinz Sachsen im jahre 1930. Deut. Zuckerind. 55: 1079-1080. illus. O.4, 1930. no.40.

Ecology. (Brooklyn, N.Y.)

Hanson, H.C. & Love, L.D.

Comparison of methods of quadratting. Ecology. 11: 734-748. illus. O.1930. no.4.

Harris, J.A., Harrison, G.J. & Pascoe, T.A.

Osmotic concentration and water relations in the mistletoes, with special reference to the occurrence of Phoradendron californicum on Covillea tridentata. Ecology. 11: 637-702. illus. O. 1930. no.4.

Larsen, J. A.

Forest types of the northern Rocky Mountains and their climatic controls. Ecology. 11: 631-672. illus., map. O.1930. no.4.

Nelson, E. W.

Methods of studying shrubby plants in relation to grazing. Ecology. 11: 764-769. illus. O. 1930. no.4.

Farming South Africa (Pretoria)

Saunders, A. R.

The witchweed. A dangerous pest on summer cereals. Farming South Africa. 5: 267-271. illus. S.1930. no.54.

Striga lutea.

Flor. Exch. (N.Y.)

Kile, O. M.

The first four months of the plant patent act. Flor. Exch. 75(7): 11. O.18,1930.

Flor. Rev. (Chicago)

Controlling rose diseases. Spot on roses. Flor. Rev. 66(1716): 25. O.16,1930.

Starkey, E. J.

Freeing carnations from rot diseases. Flor. Rev. 66(1715): 27-29. illus. O.9, 1930. no.1715.

Stem rot and root rot.

Forstw. Centralbl. (Berlin)

Aichinger, E.

Welche praktische auswertung bietet die pflanzensoziologische betätigung für die forstwirtschaft. Forstw. Centralbl. 52: 775-784. O.1, 1930. no.19.

Iahn, R.

Pollenanalytische untersuchungen an hochmooren des Thüringer waldes. Forstw. Centralbl. 52: 761-774. illus. O.1,1930. no.19.

Fortschr. Landw. (Vienna)

Hafekost, G.

Der zusammenhang von saugkraft und leistungsfähigkeit, dargestellt an zwanzig zuckerrübenstämmen. Fortschr. Landw. 5: 680-682. O.15, 1930. no.20.

Krauss, J.

Der einfluss der wasserstoffionenkonzentration auf adsorption und beizwirkung von sublimat bei der steinbrandspore (Tilletia tritici). Fortschr. Lands. 5: 637-640. illus. O.1, 1930. no.19.

Schmitt, L.

Beiträge zur frage der giftwirkung von arsenverbindungen auf den boden und das wachstum der pflanze. Fortschr. Landw. 5: 633-637. illus. O.1, 1930. no.19.

Fruit World Australasia. (Melbourne)

Putterill, V. A.

The keeping qualities of Williams' Bon Chretien (Bartlett) pears. Fruit World Australasia. 31: 345-348. illus. S.1, 1930. no.9.

Gard. Chron. (London)

Brown, N.E.

Mesembryanthemum. (cont.) Gard. Chron. II, 88: 278-279. illus. O.4, 1930. no.2284.

Elliott, C.

Some mutisias. Gard. Chron. III, 88: 274. illus. O.4,1930. no.2284.

Gard. Chron. (cont.)

Friend, H.

Horticulture in relation to commerce. XI. Assyrian imports and exports. Gard. Chron. III, 88: 276-277. O.4, 1930. no.2284.

Gable, J. B.

Kalmia latifolia. Gard. Chron. III, 88: 272. O.4, 1930. no.2284.

Walker, F.

Tasmanian mistleto. Gard. Chron. III, 88: 269. illus. O.4,1930. no.2284.

Cassytha pubescens on Eucalyptus.

Gartenz. (Wien)

Cammerloher, H.

Tropisches obst. Gartenz. (Wien) 1930: 121-124, 141-143. illus. Ag., S., 1930. no.8,9.

Hadar (Palestine Citrogr.) (Jaffa)

Reichert, I. & Hellinger, E.

A Sclerotinia disease new to banana fruits, and its relation to citrus. Hadar (Palestine Citrogr.) 3: 190-194. illus. S.1930. no.9.

S. sclerotiorum.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Kylin, H.

Ueber die jodidspaltende fähigkeit der phäophyceen. Hoppe-Seyl. Zeitschr. Phys. Chem. 191: 200-210. S.29, 1930. no.5/6.

Horticulture. (Boston)

Purdy, C.

Learning how to grow Lewisias. Horticulture. 8: 489. illus. O.15, 1930. no.20.

House & Gard. (Greenwich, Conn.)

Wilson, E. H.

Shrubs to plant by the waterside. House & Gard. 58(5): 78-79, 142, 146. illus. N.1930. no.5.

Indische Mercuur. (Amsterdam)

Stahel, G. & Bünzli,

Nieuwe onderzoekingen over de zeefvatenziekte (phloeemnecrose) van de koffie in Suriname. Indische Mercuur. 53: 919-921. O.15, 1930. no.42.

Industr. & Engin. Chem. (Easton, Pa.)

Edge, R.

Determination of sulfur in insecticides and fungicides by carbon disulfide extraction. Industr. & Engin. Chem. 2: 371-373. O.15, 1930. no.4.

Malhotra, R.C.

Effect of degree of pulverisation and weight of samples on quantitative analyses. Industr. & Engin. Chem. 2: 398-401. O.15,1930. no.4.

With particular reference to plant tissues.

Schmitz, H., and others.

A suggested toximetric method for wood preservatives. Industr. & Engin. Chem. 2: 361-363. O.15, 1930. no.4.

Wilcox, L. V.

Determination of boron in natural waters and plant materials. Modification of the Chapin method. Industr. & Engin. Chem. 2: 358-361. illus. O.15, 1930. no.4.

Leaf material of citrus and walnuts from California.

Journ. Agr. Prat. (Paris)

Lesourd, F.

Histoire des plantes. (Le chanvre (Cannabis sativa L.) (cont.) Journ. Agr. Prat. n.s., 54(1): 251-253. illus. S.27, 1930. no.39.

Journ. Agr. Res. (Washington, D.C.)

Ranker, E. R.

Synthetic nutrient solutions for culturing Ustilago zeae. Journ. Agr. Res. 41: 435-443. S.15, 1930. no.6.

Journ. Amer. Soc. Agron. (Geneva, N.Y.)

Capalungan, A.V. & Murphy, H.F.

Wilting coefficient studies. Journ. Amer. Soc. Agron. 22: 842-847. O.1930. no.10.

Journ. Amer. Soc. Agron. (cont.)

Coffman, F.A. & Wiebe, G.A.

Hybrid vigor in oats. Journ. Amer. Soc. Agron. 22: 848-860. 0.1930. no.10.

Jones, J. W.

Sterility in rice hybrids. Journ. Amer. Soc. Agron. 22: 861-867. 0.1930. no.10.

Journ. Bacteriol.

Merrill, M. H.

Carbohydrate metabolism of organisms of the genus Mycobacterium. Journ. Bacteriol. 20: 235-286. 0.1930. no.4.

Journ. Biol. Chem. (Baltimore)

Frear, D. E.

A method for the estimation of the acid-base balance in the ash of plants. Journ. Biol. Chem. 88: 675-681. 0.1930. no.3.

Journ. Cactus & Succ. Soc. Amer.

Frick, G. A.

Euphorbia heptagona. Journ. Cactus & Succ. Soc. Amer. 2: 335-336. illus. 0.1930. no.4.

Johansen, D. A.

Fertilization in the Cactaceae. Journ. Cactus & Succ. Soc. Amer. 2: 332. 0.1930. no.4.

Walther, E.

Senecio crassissimus. Journ. Cactus & Succ. Soc. Amer. 2: 333. illus. 0.1930. no.4.

West, J.

Bryophyllum daigremontianum. Journ. Cactus & Succ. Soc. Amer. 2: 329-330. illus. 0.1930. no.4.

Wright, Y.

Fruits. Journ. Cactus & Succ. Soc. Amer. 2: 330. 1 pl. 0.1930. no.4.

Journ. Counc. Sci. Industr. Res. Australia. (Melbourne)

Calvert, J.

Noogoora burr -- botanical classification. Journ. Counc. Sci. Industr. Res. Australia. 3: 183-184. Ag.1930. no.3.

Xanthium pungens as determined by S.F. Blake.

Journ.Counc. Sci. Industr. Res. Australia. (cont.)
Calvert, J.
St. John's wort -- botanical classification.
Journ. Counc. Sci. Industr. Res. Australia.
3: 189. Ag.1930. no.3.
Hypericum perfoliatum var. augustifolium.

Carne, W.M., Pittman, H.A. & Elliott, H. G.
Notes on wastage of non-parasitic origin in
stored apples. Journ. Counc. Sci. Industr. Res.
Australia. 3: 167-182. 4 pl. on 2. Ag.1930. no.3.

Journ. For. (Washington, D.C.)
Kelley, A.P.
Mycorhiza studies. II. The duration of certain
pine mycorhizae. Journ. For. 28: 849-852.
O.1930. no.6.

Just. Liebigs Ann. Chem. (Berlin)
Dragendorff, O.
Ueber das harz von Garcinia mangostana L.
Just. Liebigs Ann. Chem. 482: 280-301. illus.
O.13, 1930. no.2/3.

Kögl, F., Erxleben, H. & Jänecke, L.
Untersuchungen über pilzfarbstoffe. IX. Die
konstitution der thelephorsäure. Just. Liebigs
Ann. Chem. 482: 105-119. O.13, 1930. no.2/3.

Lingnan Sci. Journ. (Lingnaam Agr. Rev.) (Canton, China)
Merrill, E. D.
A third supplementary list of Hainan plants.
Lingnan Sci. Journ. (Lingnaam Agr. Rev.) 9: 35-44.
Je. 1930. no.1/2.

Tai, F. L.
Studies in gymnosporangia on Juniperus chinensis.
I. Gymnosporangium yamadae Miyabe. Lingnan Sci.
Journ. (Lingnaam Agr. Rev.) 9: 13-26. illus.,pl.1-3. Je. 1930. no.1/2.

Meded. Proefst. Vorstenl. Tabak. Java.
Thung, T. H.
Phytopathologische waarnemingen. Meded. Proefst.
Vorstenl. Tabak, Java. 69(Jaarversl. 1929/30): 21-40.
incl. pl. 1930.

Mem. Coll. Agr. Kyoto Imp. Univ.

Ohwi, J.

Contributiones ad caricologiam Asiae orientalis I. Mem. Coll. Agr. Kyoto Imp. Univ. Ser.B. 5: 247-292. Jl.1930. no.3.

Mem. Congrès Comm. Prune et Pruneau, 1st, Agen, 1927.

Chasset, L.

Les principales variétés commerciales, Mem. Congrès Comm. Prune et Pruneau, 1st, Agen, 1927. p.104-131. illus. 1929(Rec'd O.1930)

Ducomet, V.

Les maladies. Mém. Congrès Comm. Prune et Pruneau, 1st, Agen, 1927. p.207-215. 1929(Rec'd O.1930)

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Garbari, C.

Zur Cymbidium-zucht. Ueber orchideen-keimung mit hilfe von wurzelpilz. Möller's Deut. Gärtn.-Zeit. 45: 325-326. illus. O.1, 1930. no.28.

Gerlach, H.

Vom baumsterben und ulmen-sterben insbesondere. Möller's Deut. Gärtn.-Zeit. 45: 327. O.1, 1930. no.28.

Voigtländer, B.

Frostschäden im forstgarten zu Tharandt im winter 1928/29. Möller's Deut. Gärtn.-Zeit. 45: 327-329. O.1, 1930. no.28.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)

Lemmerzahl, J.

Ueber ein neues verfahren zur prüfung von kartoffelstämmen auf krebsfestigkeit. Nachrichtenbl. Deut. Pflanzenschutz. 10: 85-86. O.1930. no.10.

Wollenweber, H. W. & Richter, H.

Stand des "ulmensterbens" im jahre 1930 in Deutschland. Nachrichtenbl. Deut. Pflanzenschutzd. 10: 83-84. illus. O. 1930. no.10.

Nederl. Kruidk. Arch. (Amsterdam)

Jansen, P. & Wachter, W. H.

Molinia coerulea. Nederl. Kruidk. Arch. 1930: 176-181. O.1, 1930. no.2.

Their Floristische aanteekeningen XXVI.

Nederl. Kruidk. Arch. (cont.)

Schipper, W. W.

Beschrijving van inheemse intermediaire Rubus-bastaarden. V. (cont.) Nederl. Kruidk. Arch. 1930: 191-192. O.1, 1930. no.2.

Verdoorn, Fr.

Revision der von ozeanien angeführten Frullaniaceae (de Frullaniaceis VIII) Nederl. Kruidk. Arch. 1930: 155-175. illus. O.1, 1930. no.2.

Vermeulen, P.

Komt Orchis purpurella (Stephenson) in Nederland voor? Nederl. Kruidk. Arch. 1930: 146-154. O.1, 1930. no.2.

New Jersey State Hort. Soc. News (New Brunswick, N.J.)

Blake, M. A.

The relation of the finish of apples to storage quality. New Jersey State Hort. Soc. News. 11: 351-353. illus. S.1930. no.5.

Orchid Rev. (Richmond, England)

Godfrey, M. J.

Spiranthes romanzoffiana, Chamisso. Orchid Rev. 38: 291-296. O.1930. no.448.

Potter, T. I.

Uncommon orchids of Trinidad. Orchid Rev. 38: 309-310. O. 1930. no.448.

Huntleya albido-fulva, Gongora? nigrita (albino)

Smith, J.J.

Vanda tricuspidata. Orchid Rev. 38: 299-300. O. 1930. no.448.

Parfum. Mod. (Lyon, France)

Rolet, A.

Les styrax a benjoin. Parfum. Mod. 24: 585, 587, 589, 591, 593. S.1930. no.9.

Pharm. Journ. (London)

Hill, A. W.

Botany and pharmacy. Pharm. Journ. 125: 322-326. O.4, 1930. no.3492.

Pharm. Zentralh. (Dresden)
Tröger, J.
Ueber einige im altertum zugewerblichen zwecken verwendete pflanzen. (cont.) Pharm. Zentralh. 71: 611-613. S.25, 1930. no.39.

Proc. Nat. Acad. Sci.
Shull, G. H.
The first two cases of crossing-over between old-gold and bullata factors in the third linkage group of Oenothera. Proc. Nat. Acad. Sci. 16: 106-109. F.1930. no.2.

Progr. Agr. & Vitic. (Montpellier)
Ravaz, L.
Résultats d'essais de traitment de court-noué. Progr. Agr. & Vitic. 94: 293-297. illus. S.28, 1930. no.39.

Rev. Soc. Cient. Paraguay. (Asunción)
Notas biográficas (Moisés S. Bertoni) Rev. Soc. Cient. Paraguay. 2: 235-238. port. S.1930. no.6.

Rev. Gén. Bot. (Paris)
Chalaud, G.
Le cycle évolutif de Fossombronia pusilla Dum. (concl.) Rev. Gén. Bot. 42: 553-588. S. 1930. no.501.

Evreinoff, V.
Sur le caryotype du genre Eryobothrya Ldl. Rev. Gén. Bot. 42: 513-516. S.1930. no.501.

Ling-Young, M.
Étude biologique des phénomènes de la sexualité chez les mucorinées. (cont.) Rev. Gén. Bot. 42: 535-552. S.1930. no.501.

Pelous, L. A.
Etude de l'action des courants électriques alternatifs sur les phénomènes d'osmose et la circulation de l'eau chez les plantes vasculaires. (cont.) Rev. Gén. Bot. 42: 517-534. illus. S.1930. no.501.

Rev. Gen. Colloides. (Paris)

Genaud, P.

Les échanges d'ions entre cellules végétales et solutions salines. Rev. Gen. Colloides. 8: 241-250. Je./Jl. 1930. no.78.

Summaries in English, German, Spanish and Portuguese.

Rhodora. (Boston)

Fernald, M.L.

Gentiana procera Holm, forma laevicalyx, n.f. calycium carinis, glabris. Rhodora. 32: 221. O.1930. no.382.

Fernald, M.L.

The identity of Alopecurus aequalis. Rhodora. 32: 221-222. O.1930. no. 382.

Fogg, J.M., jr.

The flora of the Elizabeth Islands, Massachusetts. (cont.) Rhodora. 32: 208-221. O.1930. no.382.

Raup, H.M.

The distribution and affinities of the vegetation of the Athabasca-Great Slave Lake Region. Rhodora. 32: 187-208. illus. (maps) O.1930. no.382.

In northern parts of Alberta and Saskatchewan and southern Mackenzie.

Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Paznań)

Dutkiewicz-Miczyńska, B.

Rozróźnianie odmian pszeniç na podstawie barwienia ziarna fenolem. (La manière de discerner les variétes du froment par la coloration des graines à l'aide du phénol.) Roczn. Nauk. Rolnicz i Leśn. (Polish Agr. & For. Ann.) 23: 93-100. 1930.

Sbornik Českoslov. Akad. Zeměd. (Praha)

Pilát, A.

Československé dřevni houby. (Tschechoslowakische holzpilze). I. Stereum Pers. II. Biologie stereacei po stránce phytopathologické. III. Část systematická. Sbornik Českoslov. Akad. Zeměd. 5: 361-420. illus., pl. xvi-xviii. 1930. no.3.

Schweiz. Apoth. Zeit.
Kuhn, R. & Winterstein, A.
La rèpartition de la lutéine dans le règne végétal. Schweiz. Apoth. Zeit. 68: 520-521. O.4, 1930. no.40.

Schweiz. Zeitschr. Forstw. (Bern)
Jaccard, P.
Beginn und verlauf der kambiumtätigkeit bei einigen waldbäumen. Schweiz Zeitschr. Forstw. 81: 313-318. 1 pl. O.1930. no.10.

Science (Lancaster, Pa.)
Davidson, J. & Phillips, M.
Lignin as a possible factor in lodging of cereals. Science. 72: 401-402. O.17, 1930. no.1868.

Woodworth, R. H.
Twin seedlings in angiosperms. Science. 72: 398. O.17, 1930. no.1868.

Science Progr. (London)
Baker, J.
"Symbiosis: prolegomena to the study of oecology. I. Symbiotic systems in general. Science Progr. 25: 240-250. O.1930. no.98.

Scient. Month. (Lancaster, Pa.)
Schultz, E. W.
The ultrascopic viruses from the biological standpoint. Scient. Month. 31: 422-433. N. 1930. no.5.

Vickery, H. B.
Some aspects of the chemistry of green leaf cells. Scient. Month. 31: 408-421. illus. (incl. 2 ports.) N.1930. no.5.
Portraits of Samuel William Johnson & Thomas B. Osborne.

Soil Science. (Baltimore)
Doolas, G. Z.
Local variation of soil acidity in relation to soybean inoculation. Soil Sci. 30: 273-284. pl. 1-2. O.1930. no.4.

Soil Science. (cont.)

Sewell, M. C. & Gainey, P.L.
Interrelation of nutrients and soil reaction on growth and inoculation of alfalfa. Soil Sci. 30: 297-299. pl.1-3. O.1930. no.4.

So. African Gard. (Johannesburg)

Bolus, L.
A Protea-hybrid from Kirstenbosch. So. African Gard. 20: 275. illus. S.1930. no.9.
P. barbigera x P. susannae.

Phillips, E. P.
A brief historical sketch of the development of botanical science in S. A. and the contribution of South Africa to botany. (cont.) So. African Gard. 20: 289-291. S.1930. no.9.

Succulenta. (Leeuwarden)

Duursma, G. D.
Delosperma aberdeneense. N. E. Br. Succulenta. 12: 209-211. illus. O.1930. no.10.

O., G. J. B. v.
Stapelia gigantea. N.E. Br. Succulenta. 12: 203-205. illus. O.1930. no.10.

Tasmanian Journ. Agr.

Hicks, F. A.
Chemical control of ragwort. Tasmanian Journ. Agr. 1: 150-158. illus. Ag. 1, 1930. no.4.
Senecio jacobaea.

Oldaker, C.E.W. & Dawson, W.J.
Potatoes, Seed improvement: stud plots and control of virus and other diseases, etc. Tasmanian Journ. Agr. 1: 171-176. illus. Ag.1, 1930. no.4.

Philp, T.
Panting disease of cattle. Poisoning by Zieria smithii (stinkwood). Tasmanian Journ. Agr. 1: 161-166. illus. Ag.1, 1930. no.4.

Tijdschr. Plantenz. (Amsterdam)
Liernur, A.G.M.
Bijdrage tot de kennis der heksenbezems. Tijdschr. Plantenz. 36: 229-231. illus. S. 1930. no.9.

Roepke, W.
Verdere gegevens omtrent de iepenziekte en den iepenspintkever. Tijdschr. Plantenz. 36: 232-237. pl.ix-x. S.1930. no.9.

Trans. & Proc. New Zeal. Inst. (Wellington, N.Z.)
Calder, J. W.
Carpellody in the wheat flower and its inheritance. Trans. & Proc. New Zeal. Inst. 61: 391-401. illus. Ag.1930. no.2.

Cunningham, G. H.
Seventh supplement to the Uredinales and Ustilaginales of New Zealand. Trans. & Proc. New Zeal. Inst. 61: 402-418. illus. Ag.30, 1930. no.2.

Jenkins, H. M.
Observations on Muehlenbeckia astoni and its seedlings. Trans. & Proc. New Zeal. Inst. 61: 217-221. illus., pl.39-41. Ag.30, 1930. no.2.

Trans. Nat. Hist. Soc. Formosa.
Kurosawa, E.
On the overgrowth phenomenon of rice seedlings related to the excretion of the cultures of Lisea fujikuroi Sawada and related organism. Trans. Nat. Hist. Soc. Formosa. 20: 218-239. Ag.1930. no.109.
In Japanese.

Suzuki, S.
Some new plants from Mt. Taihei, Formosa. Trans. Nat. Hist. Soc. Formosa. 20: 239-242. Ag. 1930. no.109.
Hypericum taihezanense n.sp.

Die Umschau. (Frankfurt)
Koenig, P.
Die gewinnung natürlich-nikotinfreier, nikotinarmer und nikotinreicher tabake. Die Umschau. 34: 802-803. O.4, 1930. no.40,

Die Umschau. (cont.)

Wrangell, M.v.
Das atmosphärische jod und die pflanze. Die Umschau. 34: 805-806. O.4, 1930. no.40.

Weinb. u. Kellerw. (Freiburg)

Müller, W.
Ueber kältewirkungen an reben. Weinb. u. Kellerw. 9: 19-24. illus. F.6, 1930. no.3.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Gassner, G. & Straib, W.
Ueber die anthocyanbildung junger getreidepflanzen und ihre verwertbarkeit als sortenmerkmal. Wiss. Arch. Landw. Abt. A. Pflanzenbau. 4: 169-195. S.26, 1930. no.2.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Delaunay, L.
Die chromosonenaberranten in der nachkommenschaft von röntgenisierten ähren einer reinen linie von Triticum vulgare albidum All. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 55: 352-355. illus. 1930. no.4.

Ichijima, K.
Studies on the genetics of Fragaria. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 55: 300-347. illus., pl. iii-iv. 1930. no.4.

Navashin, M.
Quantity of hereditary material and expression of specific characters. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 55: 348-352. illus. 1930. no.4.
Investigations with Crepis.

Yampolsky, C.
The further behavior of sex in Mercurialis annua. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 55: 267-299. illus. pl. i-ii, col. 1930. no.4.

Der Züchter. (Berlin)

Sapěhin, A. A.
Röntgen-mutationen beim weizen (Triticum vulgare) (vorläufige mitteilung). Der Züchter. 2:257-259. illus. S.1930. no.9.

Der Züchter. (cont.)

Tammes, T.
Die genetik des leins. Der Züchter. 2: 245-257. illus. S.1930. no.9.

Tschermak, E.v.
Carl Fruwirth. Der Züchter. 2: 259-261. port. S.1930. no.9.

Exper. Stat. Publ.

Higgins, B. B.
A pepper fruit rot new to the United States. Georgia Agr. Exp. Stat. Bull.162. 10 p. 3 pl. on 2 (1 col.) Ag. 1930.(Rec'd Oct.)
Vermicularia capsici.

Spence, H.L. jr.
Puncture vine -- a new pest in Idaho. Idaho Agr. Exp. Stat. Circ. 60. 4 p. incl. 1 pl. S. 1930.(Rec'd Oct.)

New Books.

Gates, H. E.
The personal tale of a cactus collector in Baja California, Mexico. [n.p.] Gazette Print, 1930.

International botanical congress, Cambridge (England) 1930.
Nomenclature; proposals by British botanists. London, Wyman & sons, 1929.

Maiden, J.H.
A critical revision of the genus Eucalyptus. [Ed. by R.H. Cambage, & W.F. Blakely] v.8, pt.3-4, (whole ser. pt.lxxii-lxxiv) Sydney, A.J. Kent. 1929, 1930.

Morosow, G. H.
Die lehre vom walde... aus dem russischen übersetzt von S. u. H. Ruoff... hrsg. von Dr. K. Rubner ... Neudamm, J. Naumann, 1928.

Nowak, J.I.
Documenta microbiologica; mikorphotographischer atlas der bakterien, der pilze und der protozoen. Zweiter teil: Pilze und protozoen. Jena, G. Fischer, 1930.

New Books (cont.)

Oklahoma agricultural and mechanical college.
Cotton. A selected list of references taken from material in the library, Oklahoma agricultural and mechanical college, including publications from state experiment stations, extension divisions, and books, with a list of current magazines pertaining to cotton. Its Library bibliography no.2.
24 p. 1930.
Mimeographed.

Perelli-Minetti, J.
Black juice grape varieties in California. Sacramento, California state printing office, 1929.

Non-current indexing.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)

Ducellier, L.
Céréales recueillies par M. le Dr. R. Maire au cours de la "Mission du Hoggar". Bull. Soc. Hist. Nat. Afrd. Nord. 20: 221-226. pl.xiii-xiv. N.1929.

Bull. Soc. Linn. Normandie.

Bouygues, H.
Considérations sur la circulation des liquides aqueux dans le tissu ligneux I- Bull. Soc. Linn. Normandie. VII, 9: 184-196. 1927.

Bouygues, H.
Indépendance de la formation des facies de Phaseolus vulgaris (var. soissons) vis-à-vis du substratum. Bull. Soc. Linn. Normandie. VII,9: 26-30. 1927.

Bouygues, H.
Sur l'hétéromorphisme des premières feuilles bourgeons tronculaires de paltane. Bull. Soc. Linn. Normandie. VII, 9: 3-7. illus. 1927.

Bugnon, P.
Valeur morphologique de l'ovaire infère chez les Begonia. Bull. Soc. Linn. Normandie. VII, 9: 7-25. pl.i-iii. 1927.

Corbière, L.
Les Spartina townsendi en Normandie. Bull. Soc. Linn. Normandie. VII, 9: 92-117. 1927.

Non-current indexing. (cont.)

Bull. Soc. Linn. Normandie. (cont.)

Frémy, P. Abbé. & Meslin, R.
Excursion botanique dans la Lande de La Meauffe (Manche), 12 juillet 1926. Bull. Soc. Linn. Normandie. VII, 9: 118-130. illus. 1927.

Frémy, P. Abbé & Meslin, R.
Herborisations aux environs de Gavray (Manche). Bull. Soc. Linn. Normandie. VII, 9: 146-183. illus. 1927.

Českosl. Zeměd.

Chmelař, F.
Přehled zušlechtěných odrud ovsa v Československu pěstovaných. Českosl. Zeměd. 10: 53-55. illus. Ja.27, 1928, no.4.
Reprint has German summary with title "Uebersicht der in Tschechoslovakei gezüchteten hafersorten".

Compt. Red. Assoc. Intern. Essais Semences. (Copenhague)

Finlayson, R. A.
The identification of the seeds of some species of Brassica. Compt. Rend. Assoc. Intern. Essais Semences. 6: 37-40. illus. O.1928.

Hillman, F.H. & Henry, H.H.
The incidental seeds found in commercial seed of alfalfa and red clover. Compt. Rend. Assoc. Intern. Essais Semences. 6: 1-22. O.1928.

Journ. Bacteriol.

Gee, A.H. & Hunt, G.A.
Single cell technic, a presentation of the pipette method as a routine laboratory procedure. Journ. Bacteriol. 16: 329-353. incl.3 pl. N.1928. no.5.

Plant Dis. & Insect Notes. Agr. Ext. Serv. Ohio Coll. Agr.

Pierstorff, A. L. & Parks, T. H.
Cucumber and melon insects and diseases. Plant Dis. & Insect Notes Agr. Ext. Serv. Ohio Coll. Agr. v.1, no.5. [4] p. illus. My.1930

Non-current indexing. (cont.)

Plant Dis. & Insect Notes. Agr. Ext. Serv. Ohio Coll. Agr. (cont.)

Pierstorff, A.L. & Parks, T.H.
Facts to consider in selecting the dormant and delayed dormant sprays. Plant Dis. & Insect Notes Agr. Ext. Serv. Ohio Coll. Agr. v.1, no.1. [4] p. Ja. 1930.

Pierstorff, A.L. & Parks, T.H.
Important diseases and insects of raspberries. Plant Dis. & Insect Notes Agr. Exp. Serv. Ohio. Coll. Agr. v.1, no. 4. [4] p. illus. Ap.1930.

Pierstorff, A.L. & Parks, T.H.
Insects and diseases of roses. Plant Dis. & Insect Notes Agr. Ext. Serv. Ohio Coll. Agr. v.1, no.6. [4] p. illus. Je.1930.

Pierstorff, A.L.
White grubs, wirewomrs and oats smuts and how to control them. Plant Dis. & Insect Notes Agr. Ext. Serv. Ohio Coll. Agr. v.1, no.2. [4] p. illus. F. 1930.

Proc. Amer. Soc. Hort. Sci.

Murneek, A. E.
An efficient oven for drying matêrial. Proc. Amer. Soc. Hort. Sci. 25: 337-341. illus. 1928.

Proc. Imp. Acad. Tokyo.

Komuro, H.
Kann man den sog. "radkern" der plasmazellen genetisch als ein gebilde sui generis betrachten? Proc. Imp. Acad. Tokyo. 4: 500-502. illus. O.1928.- no.8.

Kusano, S.
The relative sexuality in Synchytrium. Proc. Imp. Acad. Tokyo. 4: 497-499. O.1928. no.8.

Véstnik Českol. Zeměd. Musea. (Praze)

Chmelař, F.
Průběh klíčeni bobtnáni vzdorujících ("tvrdých") semen červeného jetele a vojtěšky seté v klíčevně a na poli. (Keimungsverlauf von quellungsunfähigen (harten) samen bei rotklee und luzerne, ausgesät im keimapparat und auf dem felde). Věstnik Českosl. Aka. Zeměd. 4: 145-153. illus. F.1928. no.2.
German translation.

New books.

Abolin, R.I.

... Description géographique de la végétation et des sols de la paline Léna-Vilui). Leningrade, 1929. (Trudy Komissii po izucheniiu Iakutskoi Avtonomnoi sovetskoi sotsialisticheskoi respubliki (Travaux de la Commission pour l'étude de la République autonome soviétique socialiste Iakoute). t.X)

Russian with English summary.

Lebedeva, L.A.

... Champignons de la côte arctique de la Sibérie. Leningrad, 1928. (Trudy Komissii po izucheniiu Iakutskoi Avtonommoi sovetskoi sotsialisticheskoi respubliki (Travaux de la République autonome soviétique socialiste Iakoute) t.XII)

Russian with Latin diagnosis of new species (Lophiostoma birulae, Naucoria arctica, Clitocybe karsteniana)

Copy

NOV [illegible] 193

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 12, no. 23. Oct.27-Nov.8, 1930.

Ann. Mus. Colon. Marseille.
Jumelle, H.
Les Moringa de Madagascar. Ann. Mus. Colon. Marseille. 38(IV,v.8) fasc.1. 20 p. illus. 1930. no.1.

Margaillan, L.
Nouvelles recherches sur quelques graines oléagineuses des pays chauds. Ann. Mus. Colon. Marseille. 37(IV,v.7) fasc.3. 32 p. 1929. no.3..

Ann. Rep. British Columbia Dept. Agr.
Eastham, J.W.
Report of provincial plant pathogist, Vancouver. Ann. Rep. British Columbia Dept. Agr. 24: 135-139. 1930.
Control of apple scab in the Kootenays; brown rot of cherries; infectious chlorosis of roses.

Ann. Rept. Dept. Agr. Malta.
Borg, P.
[Report on plant pathology], 1929-30. Ann. Rept. Dept. Agr. Malta. p.xiv-xvii. 1930.

Ann. Rep. Dept. Agr. North Rhodesia.
Northern Rhodesia. Dept. Agr.
Insect pests and plant diseases of economic importance during the year. Ann. Rept. Dept. Agr. North. Rhodesia. 1929: 36-43. 1930.

Ann. Rept. Dept. Sci. & Industr. Res. New Zealand.
New Zealand. Dept. of science...
Mycology. Ann. Rept. Dept. Sci. & Industr. Res. New Zealand. 1929/30: 31-33. 1930.

Arch. Protistenk. (Jena)
Anders, J.
Ueber eine neue flechtenart: Cladonia magyarica Vainio n.spec. Arch. Protistenk. 71: 499-501. pl.21. S.15, 1930. no.3.

Arch. Protistenk. (cont.)

Ciferri, R.
Contribuzioni alla sistematica delle Torulopsidaceae. II-XIV. Arch. Protistenk. 71: 405-452. illus., pl.14-16. (1 col.) S.15, 1930. no.3.
Continuation of his Studies on the Torulopsidaceae.

Petrová, J.
Eine neue festsitzende protococcalengattung (Tetraciella nov.gen.) Arch. Protistenk. 71: 550-566. illus.,pl.22. S.15,1930. no.3.
T. adhaerens.

Sprenger, E.
Bacillariales aus den thermen und der umgebung von Karlsbad. Arch. Protistenk. 71: 502-542. S.15, 1930. no.3.

Ark. Bot. (Stockholm)

Borge, O.
Beiträge zur algenflora von Schweden. 4. Die algenflora am Grövelsee. Ark. Bot. v.23, no.2. 63 p. 2 pl. 1930 (F.)

Klinckowström, A.von.
Plagiocystia verrucosa n.g. et sp. eine neue angehörige der parasynascoten bakterien. Ark. Bot. v.23, no.3. 51 p. illus. 1930 (Mr.)

Malme, G.O.A.
Einige während der zweiten regnellschen reise gesammelte phanerogamen. II. Ark. Bot. v.23, no.4. 23 p. 1930 (My.)

Malme, G.O.A.
Porinae et Phylloporinae in itinere regnelliano primo collectae. Ark. Bot. v.23, no.1. 37 p. 1930 (D.1929)

Bergcultures. (Batavia, Java)

Gandrup, J.
Bezuiniging bestrijding "streepkanker". Bergcultures. 4: 1034-1036. S.27, 1930. no.39.

Soesman, J. G.
Bezuiniging bestrijding "streepkanker". Izal vervangen door caporit. Bergultures. 4: 729. Jl.12,1930. no.28.

Biochemm. Zeitschr. (Berlin)
Mahdihassan, S.
Die wasserstoffionenkonzentration im zellinneren von Fusarium lini B. und hefe. Biochem. Zeitschr. 226: 203-208. S.22, 1930. no.1/3.
7. mitteilung zum mechanismus der enzymwirkung.

Biull. Gosud. Nikitsk. Opytn. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita) (Ialta)
Heintz, G. V.
... Fig culture, fig production and consumption in all countries of the world. Biull. Gosud. Nikitsk. Opytn. Bot. Sada. (Bull. Gov. Bot. Gard. Nikita) no.7. 69 p. illus. 1930.
Russian with English summary (summary has title: World production and consumption of the fig).

Blumen u. Pflanzenb. (Berlin)
Hartmann, G.
Die aelchenkrankheit an chrysanthemen und massnahmen zu ihrer bekämpfung. Blumen u. Pflanzenb. 45: 163-165. illus. O.8, 1930. no.10.

Bol. Agr. São Paulo.
Hoehne, F. C.
As plantas ornamentaes da flora brasilica e seu papel como factores da salubridade publica, da esthética urbana e artes decorativas nacionaes.(cont.) Bol. Agr. Sao Paulo. 31: 576-600. illus. Jl./Ag. 1930.

Bot. Arch. (Leipzig)
Doerfel, F.
Ueber den einfluss des frostes und intermittierender temperaturen auf die keimung verschiedener samen. Bot. Arch. 30: 1-50. illus. Ag.1930. no.1/2.
English abstract.

Gauger, W. & Ziegenspeck, H.
Untersuchungen uber ein klimatisch bedingtes jahresperiodisches schwanken der bodenreaktion im lebenden hochmoor. Bot. Arch. 30: 109-166. illus. Ag.1930. no.1/2.
English abstract.

Bot. Arch. (cont.)

Hogetop, K.

Untersuchungen über den einfluss der temperatur auf keimung und lebensdauer der kartoffelknolle. Bot. Arch. 30: 351-413. illus. S.1930. no.3/4.

English abstract: p.411.

Hülsenberg, H.

Beiträge zur verrechnung und technik von getreidebeizversuchen im freien felde, speziell zur bekämpfung des weizensteinbrandes. Bot. Arch. 30: 414-476. S.1930. no.3/4.

English abstract: p.472.

Mühldorf, A.

Ueber die stärke in pflanzlichen spermien. Bot. Arch. 30: 167-194. illus. Ag.1930. no.1/2.

Results principally obtained on Sphagnum spermium.

Preising, F.-A.

Untersuchungen über den kohlenhydratstoffwechsel des immergrünen laubblattes im laufe eines jahres. Bot. Arch. 30: 241-306. illus. S.1930. no.3/4.

English abstract: p.305.

Quednow, K. G.

Beiträge zur frage der aufnahme gelöster kohlenstoffverbindungen durch orchideen und andere pflanzen. Bot. Arch. 30: 51-108. illus. Ag.1930. no.1/2.

English abstract.

Ullisch, A.

Die gewebespannungen beim entfalten monokotyler blätter. Bot. Arch. 30: 195-234. illus. Ag.1930. no.1/2.

English abstract.

Wilke, F.

Ueber die formenfülle in kulturen von Azotobacter chroococcum. Bot. Arch. 30: 307-350. illus. S. 1930. no.3/4.

English abstract: p.342-343, 350.

Pt. II. Die deutung im sinne der bakteriophagentheorie, by F.Wilke and Hermann Ziegenspeck.

Bot. Gaz. (Chicago)

Barss, A. F.

Effect of moisture supply on development of Pyrus communis. Bot. Gaz. 90: 151-176. illus. O.1930. no.2.

Frost, F. H.

Specialization in secondary xylem of dicotyledons. II. Evolution of end wall of vessel segment. Bot. Gaz. 90: 198-212. illus. O.1930. no.2.

Greaves, J.E. & Greaves, J. D.

The microflora of leached alkali soil. Bot. Gaz. 90: 224-230. O.1930. no.2.

Heath, H. C.

Potash shale as a source of potassium for growing plants. Bot. Gaz. 90:121-150. illus. O. 1930. no.2.

Ohashi, H.

Cytological study of Oedogonium. Bot. Gaz. 90: 177-197. illus., pl. i-iii. O.1930. no.2.

Passmore, S. F.

Microsporogenesis in the Cucurbitaceae. Bot. Gaz. 90: 213-223. illus. O.1930. no.2.

Bot. Közlem. (Budapest.)

Fehér, J.

A Calystegia sepium és a Pharbitis purpurea kleistopetáliája. Bot. Közlem. 27: 38-42. illus. 1930. no.1/4.

Szatala, O.

Adatok Hercegovina zuzmöflórajának ismeretéhez. (Beiträge zur kenntniss der flechtenflora von Herzegovina). Bot. Közlem. 27: 1-26. 1930. no.1/4.

German summary: p.2.

Szepesfalvy, J.

Adatok északmagyarország mohaflórájához. III. (Beiträge zur moosflora Nordungarns) Bot. Közlem. 27: 27-38. 1930. no.1/4.

Bull. Agence Gén. Colon. France. (Paris)
Heim de Balsac, F., Dagand, G.S., Heim de Balsac, H., Lefèvre, L., Maheu, J. & Parveaud, A.
La graine oléifère du palmier royal (Oreodoxa regia H.B. et K.) des Antilles. Bull. Agence Gén. Colon. France. 23: 815-833. 6 pl. O.1930. no.260.

Bull. Dept. Agr. Canada. (Ottawa)
Canada. Department of agriculture.
Weeds and weed seeds, illustrated and described. Bull. Dept. Agr. Canada. n.s., 137. 72 p. illus. 1930.
Revision of Bull. no.S-8 by G.H.Clark.

Bull. Imp. Coll. Agr. & For. Morioke, Japan.
Togashi, K.
Comparative studies on the physiology of Leucostoma leucostoma and Valsa japonica. Bull. Imp. Coll. Agr. & For. Morioka, Japan. no.15. 76 p. 1 pl. Ag.1930.

Togashi, K.
Morphological studies of Leucostoma leucostoma and Valsa japonica, the causal fungi of canker or die-back disease of peach trees. Bull. Imp. Coll. Agr. & For. Morioka, Japan. no.14. 50 p. pl.i-iv. Ap.1930.

Bull. Imp. Inst. Gt. Brit. (London)
Moringa aptera seed from Egypt. Bull. Imp. Inst. Gt. Brit. 28: 276-279. O.1930. no.3.

The pyrethrum industry of Japan. Bull.Imp. Inst. Gt. Brit. 28: 300-342. illus. (maps) O.1930. no.3.

Bull. Pop. Inform. Morton Arb. (Lisle, Ill.)
Kammerer, E.L.
Shrubs whose fruits are attractive to birds. Bull. Pop. Inform. Morton Arb. 5: 37-40. O.18, 1930. no.10.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger)
Emberger, L.
Materiaux pour l'étude de la flore et de la végétation du Maroc. Bull. Soc. Hist. Nat. Afr. Nord. 21: 101-102. S./O. 1930. no.6/7.

Bull. Soc. Hist. Nat. Afr. Nord. (cont.)
Killian, C. & Maire, R.
Le bayoud, maladie du dattier. Bull. Soc. Hist. Nat. Afr. Nord. 21:89-101. illus., pl. vii-viii. S./O. 1930. no.6/7.
Cylindrophora albedinis n.sp.

Canada Dept. Agr. Pamph.
Berkeley, G. H.
Diseases of the raspberry. Canada Dept. Agr. Pamph. n.s.,120. 23 p. illus. 1930.
Studies in fruit diseases III.

Canad. Journ. Res. (Ottawa)
Newton, R. & Martin, W.M.
Physico-chemical studies on the nature of drought resistance in crop plants. Canad. Journ. Res. 3: 336-383. illus. O.1930. no.4.

Citrus Riv. Camera Agrum. Messina.
Barbagallo, S.
Il mal secco degli agrumi al Congresso di Londra. Citrus Riv. Camera Agrom. Messina. 16: 341-342. S.1930. no.9.
Intervista col. Dr. Giulio Savastano.

Petri, L.
Ulteriori richerche sulla morfologia, biologia e parassitismo della "Deuterophoma tracheiphila" Citrus. Riv. Camera Agrum. Messina. 16: 347-358. illus. S.1930. no.9.

Compt. Rend. Acad. Sci. Colon.
Cayla, V.
A propos du caféier "conillon" du Brésil. Compt. Rend. Acad. Sci. Colon. 10: 235-239. 1929 (Rec'd O.1930)

Chevalier, A.
Les plantes à cultiver dans les déserts et spécialement dans le Sahara. Compt. Rend. Acad. Sci. Colon. 10: 499-510. 1929 (Rec'd O.1930)

Compt. Rend. Acad. Sci. Paris.
Martin-Sans, E.
Généralité de la présence d'alcaloïdes chez les buxacées. Compt. Rend. Acad. Sci. Paris. 191: 625-626. O.13,1930. no.15.

Compt. Rend. Soc. Biol. Paris.

Fernandes, A.

Sur le nombre et la forme des chromosomes chez Amaryllis belladona L., Pancratium maritimum L. et Ruscus aculeatus L. Compt. Rend. Soc. Biol. Paris. 105: 138-139. 0.16,1930. no27.

Fernandes, A.

Sur le nombre et la morphologie des chromosomes chez quelques espèces du genre Narcissus L. Compt. Rend. Soc. Biol. Paris. 105: 135-137. 0.16, 1930. no.27.

Deut. Landw. Presse. (Berlin)

Haken, T.

Ein wesentlicher fortschritt in der anerkennung krebsfester pflanzkartoffeln. Deut. Landw. Presse. 57: 561. 0.11, 1930. no.41.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)

Gerasimov, D.

... Sur les caractères distinctifs du pollen de Larix et de Pinus cembra dans la tourbe. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1930, A: 199-202. illus.

Russian.

Tolmachev, A.

... Sur une espèce nouvelle de Draba de la Sibérie septentrionale. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1930, A: 173-174. illus. no.7.

Russian with Latin diagnosis (D.prozorovskii).

Flora. (Jena)

Haeckel, I.

Ueber iridaceen. Flora 125(n.s.25): 1-82. illus., 1 fold.pl. 1930. no.1.

Troll, W.

Botanische mitteilungen aus den tropen. I. Ueber Hymenophytum Dum, und seine verbreitung im indomalayischen und australen florenreich. Flora 125(n.s., 25): 155-216. 1930. no.1.

Flora (cont.)

Veh, R.v.

Untersuchungen und betrachtungen zum blattstellungsproblem. Flora 125(n.s.25): 83-154. illus. 1930. no.1.

Flor. Exch. (N.Y.)

Ernest Henry Wilson -- Ellen Ganderton Wilson. Flor. Exch. 75(8): 37-38. port. 0.25,1930. no.8.

The romance of "Chinese" Wilson's rediscovery of the Davidia. Flor. Exch. 75(9): 29, 39. illus. N.1, 1930. no.9.

Flor. Rev. (Chicago)

Ball, G. J.

Asters under tent safe from hopper. Flor. Rev. 66(1718): 23-26. illus. 0.30, 1930. no.1718.

M., G.H.

Rules for patent seeker. Flor. Rev. 66(1718): 33-34. 0.30, 1930.

W., N.C.

Ernest H. Wilson. Flor. Rev. 66(1717): 40-41. port. 0.23,1930.

Forstw. Centralbl. (Berlin)

Jahn, R.

Pollenanalytische untersuchungen an hochmooren des Thüringer waldes (schluss). Forstw. Centralbl. 52: 310-818. 0.15, 1930. no.20.

Gard. Chron. (London)

Friend, H.

Horticulture in relation to commerce. Second series. I. Scope and method of enquiry. Gard. Chron. III, 88: 320. 0.18, 1930. no.2286.

Hurst, C. C.

The species concept. Gard. Chron. III, 88: 325-326. 0.18, 1930. no.2286.

Ingram, C.

The marsh afrikanders. A review of Gladiolus tristis and its allies. Gard. Chron. III, 88: 300-302. illus. 0.11, 1930. no.2285.

Gard. Chron. (cont.)

Stanley, B.

Lilium neilgherrense. Gard. Chron. III, 88: 321-322. illus. O.18, 1930. no.2286.

Ward, F. K.

Rhododendron patulum and its allies. Gard. Chron. III, 88: 298. illus. O.11,1930. no.2285.

Gartenbauwiss. (Berlin)

Niethammer, A.

Die mikroskopische pollenanalyse einzelner waben und der blutenbesuch der honigbiene. Gartenbauwiss. 3: 635-640. illus. O.2, 1930. no.6.

Rudloff, C. F.

Oenothera pachycarpa Renner. Genetische und cytologische untersuchungen. Gartenbauwiss. 3: 499-526. illus. O.2,1930. no.6.

Gartenw. (Berlin)

Schmarse, H.

Das grosse baumsterben in Braunschweig. Gartenw. 34: 564-565. O.10, 1930. no.41.

Schuphan, W.

Verdächtige krankheitserscheinungen an jungkoniferenbeständen in Boskoop. Gartenw. 34: 564. O.10, 1930. no.41.

Gartenz. (Wien)

Lohwag, H.

Ueber einige holzpilze. Gartenz. (Wien) 1929: 198-200. illus. D.1929. no.12.

Hacienda. (N.Y.)

Rosenfeld, A. H.

Variedades de caña de azúcar immunes o mut resistentes al mosaico (concl.) Hacienda. 25: 489-490. N.1930. no.11.

Ryerson, K. A.

Introducción de plantas exóticas en Norteamérica. Hacienda. 25: 486-488. illus. N.1930. no.11.

Extracted & adapted from paper given at Interamerican conference of agriculture, silviculture and animal industry held in Washington Sept.1930.

Heil & Gewürz-Pflanzen. (Munich)

Boros, A.

Die provenienzbestimmung der ungarischen, russischen und deutschen flores chamomillae. Heil & Gewürz-Pflanzen. 13: 60-64. illus. O.27, 1930. no.2.

Marzell, H.

Die deutschen namen der einheimischen heilpflanzen. (cont.) Heil & Gewürz-Pflanzen. 13: 80-88. O.27,1930. no.2.

Páter, B.

Ueber den standort der tollkirsche, Atropa belladonna L. Heil & Gewürz-Pflanzen. 13: 72-79. O.27, 1930. no.2.

Horticulture. (Boston)

Dr. Ernest H. Wilson... Horticulture. 8: 508. port. N.1, 1930. no.21.

Contributions by Albert C. Burrage and M. R. Case.

Indische Cult. (Soerbaja)

Kamerling, Z.

Bekende en merkwaardige Indische planten in woord en beeld. [8] Orchideen. Indische Cult. 15: 743, 752-754. 2 pl. S.16,1930. no.18.

Industr. & Engin. Chem. (Easton, Pa.)

Thornton, N. C.

Carbon dioxide storage of fruits, vegetables, and flowers. Industr. & Engin. Chem. 22: 1186-1189. illus. N.1930. no.11.

Intern. Bull. Plant Prot.

Data and information on damage caused to cultivated crops by the cold of the winter 1928-29(cont.) Intern. Bull. Plant Prot. 4: 118-121. Ag.1930. no.8.

Eritea: a disease of agaves, previously not known in the Colony. Intern. Bull. Plant Prot. 4: 113. Ag.1930. no.8.

Lesion of tissues not due to pathogenic agents followed, however, by infections due to fungi and bacteria.

Journ. Agr. Res. (Washington, D.C.)

Ranker, E. R.

The nature of smut resistance in certain selfed lines of corn as indicated by filtration studies. Jour. Agr. Res. 41: 613-619. illus. 0.15, 1930. no.8.

Riker, A.J., Banfield, W.M., Wright, W.H., Keit, G.W., & Sagen, H. E.

Studies on infectious hairy root of nursery apple trees. Journ.Agr. Res. 41: 507-540. illus. 0.1, 1930. no.7.

Staunton, T.R., Coffman, F.A., Tapke, V.F., Wiebe, G.A., Smith, R.W. & Bayles, B.B.

Influence of hulling the caryopsis on covered-smut infection and related phenomena in oats. Journ. Agr. Res. 41: 621-633. 0.15, 1930. No.8.

Wright, W.H., Hendrickson, A.A. & Riker, A.J.

Studies on the progeny of single-cell isolations from the hairy-root and crown-gall organisms. Journ. Agr. Res. 41: 541-547. 0.1,1930. no.7.

Journ.Amer.Pharm. Assoc. (Easton, Pa.)

Edward Morell Holmes, Journ. Amer. Pharm. Assoc. 19: 1156-1157. port. 0.1930. no.10.

Fischer, L. & Goodrich, F.J.

Polypodium occidentale. Journ. Amer. Pharm. Assoc. 19: 1063-1071. 0.1930. no.10.

Lehman, A.J. & Lynn, E.V.

The leaf oils of Washington conifers. I. Introduction. II. Juniperus scopulorum. Journ. Amer. Pharm. Assoc. 19: 840-843, 1071-1075. Ag., 0. 1930. no.8,10.

Journ. Bot. (London)

Exell, A. W.

Some overlooked names of plants. Journ. Bot. 68: 293-304. 0.1930. no.814.

Grove, W.B.

New or noteworthy fungi. Pt.XII. Journ. Bot. 68: 293-297. 0.1930. no.814.

Journ. Bot. (cont.)

Rendle, A. B.
Edward Morell Holmes (1843-1930). Journ. Bot. 68: 310-313. O.1930. no.814.

Riddelsdell, H. J.
Rubus records. Journ. Bot. 68: 305-310. O.1930. no.814.

Sherrin, W. R.
Rhacomitrium sudeticum B. & S. Journ. Bot. 68: 304-305. illus. O.1930. no.814.

Journ. Coll. Agr. Imp. Univ. Tokyo.

Miyake, K., Imai, Y. & Tabuchi, K.
Contributions to the genetics of Phaseolus vulgaris. Journ. Coll. Agr. Imp. Univ. Tokyo. 11: 1-20. illus., pl. i-ii (col.) Ag.15, 1930. no.1.

Nohara, S.
Genetical studies on Quamoclit. Journ. Coll. Agr. Imp. Univ. Tokyo. 11: 21-44. illus., pl. iii-vii. Ag.15, 1930. no.1.

Journ. Dept. Agr. So. Australia. (Adelaide)

Samuel, G.
Tomato diseases in South Australia and how to control them with special reference to glasshouse tomato culture. Journ. Dept. Agr. So. Australia. 34: 154-166. S.15, 1930. no.2.

Journ. Genetics. (London)

Gates, R. R. & Goodwin, K.M.
A new haploid Oenothera, with some considerations on haploidy in plants and animals. Journ. Genetics. 23: 123-156. illus., pl. vii. S. 1930. no.1.
O. rubricalyx x O. eriensis.

Jones, E. T.
Morphological and genetical studies of fatuoid and other aberrant grain-types in Avena. Journ. Genetics. 23: 1-68. pl.i-ii. S.1930. no.1.

Marsden-Jones, E.M. & Turrill, W. B.
The history of a tetraploid saxifrage. Journ. genetics. 23: 83-92. illus., pl. iii-vi. S.1930. no.1.

Journ. Genetics (cont.)

Whyte, R. O.

Sterility and floral abnormality in the tetraploid Saxifraga potternensis. Journ. Genetics. 23: 93-121. illus. S.1930. no.1.

Journ. Hered.(Washington, D.C.)

Kearney, T.H.

Genetics of cotton. A survey of our present knowledge. Journ. Hered. 21: 325-336. illus. Jl.1930. no.7.

Lamarck. Journ. Hered. 21: 308, 336. port. Jl.1930. no.7.

The plant patent law. Journ. Hered. 21: 319-322. Jl.1930. no.7.

Journ. N.Y. Bot. Gard.

Peckham, E.A.S.

Beardless iris and iris species. Journ. N.Y. Bot. Gard. 31: 244-252. O.1930. no.370.

Small, J.K.

Iris studies in the Gulf States. Journ. N.Y. Bot. Gard. 31: 237-244. illus. O.1930. no.370.

Journ. S. E. Agr. Coll. Wye.

Bagenal, N. B., Goodwin, W., Salmon, E.S. & Ware, W.M.

The control of apple scab. I. Bramley's seedling and Newton wonder. Journ. S.E. Agr. Coll. Wye. 27: 186-194. illus. 1930.

Goodwin, W., Salmon, E.S., & Ware, W.M.

The control of apple scab. II. Allington pippin and Newton wonder. Journ. S.E. Agr. Coll. Wye. 27: 195-201. illus. 1930.

Hooper, C. H.

The study of pollination in relation to cherry orchards. Journ. S. E. Agr. Coll. Wye. 27: 202-204. 1930.

Martin, H.

The defoliation of gooseberries by sulphur-containing sprays. Journ. S.E. Agr. Coll. Wye. 27: 182-185. 1930.

Journ. S. E. Agr. Coll. Wye (cont.)

Pearl, R. T.

The winter shoots of apple trees. Their use in the identification of varieties. Journ. S. E. Agr. Coll. Wye. 27: 74-86 (incl. ii pl.) 1930.

Salmon, E. S. & Ware, W.M.

Report from the mycological department. Journ. S.E. Agr. Coll. Wye. 27: 87-96. 1930.

Journ. Washington Acad. Sci.

Berry, E. W.

A new Pterophyllum from the Shinarump conglomerate in Utah. Journ. Washington Acad. Sci. 20: 458-463. illus. N.4, 1930. no.18.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin)

Oberstein, O.

Sortenversuche mit krebsfesten kartoffeln in der niederschlesischen heide 1929. Kartoffel, Zeitschr. Kartoffelbauges. 10: 209-211. 0.16, 1930. no.20.

Kendyr-rami.

Beliaev, A.

Bibliografiia kendyria. Kendyr-ramie. 3/4: 160-182. 1930.

Richter, A. A. & Khlebinkova, N. A.

... A contribution to a study of the physiology and anatomy of kendir. Kendyr-rami. 3/4: 18-31. illus. 1930.

Russian.

Rozova, Z.

... Tanning properties of kendir. Kendyr-rami. 3/4: 102-118. illus. 1930.

Russian.

Rusanov, F. N.

... Kendir in the valley of R. Ili. Kendyr-rami. no.1. 80 p. illus., tab., map. 1930.

Russian with English summary.

Landw. Versuchsst. (Berlin)

Riede, W. & Rewald, B.

Botanisches und chemisches zur sojafrage. Landw. Versuchsst. 110: 291-304. 1930. no.5/6.

Landw. Versuchsst. (cont.)

Wiehr, E.

Beiträge zur kenntnis der anatomie der wichtigsten Euphorbiaceensamen unter besonderer berücksichtigung ihrer erkennungsmerkmale in futtermitteln. Landw. Versuchsst. 110: 313-398. illus. 1930. no.5/6.

Matières Grass. (Paris)

Pieraerts. J., Castagne, E. & Adriaens, L.

Contribution à l' étude chimique des légumineuses oléagineuses du Congo belge. I. Les pois corail ou Adenanthera pavonina (cont.) Matières Grass. 22: 8977-8978. 0.15, 1930. no.270.

Pieraerts, J. & Vlassov, S.

Contribution à l' étude des Allanblackia oléifères (cont.) Matières Grass. 22: 8975-8977. 0.15, 1930. no.270.

Medd. Lab. Bloembollenonderz. Lisse.

Slogteren, E.v.

Warm-waterbehandeling van narcissen. Meded. Lab. Bloembollenonderz. Lisse. no.37. 15 p. illus. 1930.

Meded. Labor. Mycol. Aardappelonderz. Wageningen.

Vloten, H.v.

Aantasting van Pseudotsuga taxifolia Britton (Douglasspar) door Rhabdocline pseudotsugae Sydow en Chermes cooleyi Gillette. Meded. Labor. Mycol. Aardappelonderz. Wageningen. 54. 16 p. pl. i-ii. 1930.

German summary: p.13-16.

Mitt. Inst. Allg. Bot. Hamburg.

Bruns, F.

Beiträge zur kenntnis der vegetation des Peruanischen Küstengebietes. Mitt. Inst. Allg. Bot. Hamburg. 8: 1-85. illus. 1929 (Rec'd 0.1930) no.1.

Christiansen, M.

Bibliographie von thermotropismus, thermotaxis und thermonastie der pflanzen. 1917 bis 1929 und nachtrag I. Mitt. Inst. Allg. Bot. Hamburg. 8: 375-384. 1929 (Rec'd 0.1930) no.1.

Mitt. Inst. Allg. Bot. Hamburg. (cont.)

Christiansen, M.
Bibliographie des geotropismus. 1927 bis 1929 und nachtrag V. Mitt. Inst. Allg. Bot. Hamburg. 8: 385-397. 1929 (Rec'd O.1930) no.1.

Irmischer, E.
Die begoniaceen der Malaiischen halbinsel. Mitt. Inst. Allg. Bot. Hamburg. 8: 86-160. pl. 1-10. 1929 (Rec'd O.1930) no.1.

Irmischer, E.
Pflanzenverbreitung und entwicklung der kontinente. II. Teil. Weitere beiträge zur genetischen pflanzengeographie unter besonderer berücksichtigung der laubmoose. Mitt. Inst. Allg. Bot. Hamburg. 8: 169-374. 16 pl. on 8. 1929 (Rec'd O. 1930) no.1.

Schwantes, G.
Biologisches und systematisches über die mesembrianthemeen. Mitt. Inst. Allg. Bot. Hamburg. 8: 161-167. illus. 1929 (Rec'd O.1930) no.1.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Müller,
Zur bekämpfung der zwiebelrotz-krankheit. Möller's Deut. Gärnt.-Zeit. 45: 352-353. illus. O.21,1930. no.30.

Müller,
Die zwiebel-rotzkrankheit. Moller's Deut. Gärtn.-Zeit. 45: 338-339. O.11,1930. no.29.

Monatsh. Chem. (Vienna)

Dischendorfer, O. & Juvan, H.
Untersuchungen auf dem gebiete der phytochemie VI. Ueber das allobetulin. Monatsch. Chem. 56: 272-281. S.1930. no.3/4.

Fischer, R.
Ueber den saponinnachweis in der pflanze mit blutgelatine. Monatsh. Chem. 56: 282-316. S. 1930. no.3/4.

Fröschl, N., Zellner, J. & Zikmunda, E.
Beiträge zur vergleichenden pflanzenchemie. XXII. Zur chemie der rinden VII. Monatsh. Chem. 56: 204-211. S.1930. no.3/4.

Monatsh. Chem. (cont.)

Zellner, J.& Zilkmunda, E.

Zur chemie der höheren pilze, XXI. Ueber Polyporus sulfureus L. und Lentinus squamosus Schroet. Monatsh. Chem. 56: 200-203. S.1930. no.3/4.

Monatsschr. Deut. Kakteen-Ges. (Berlin)

Bödeker, F.

Echinocactus andreae Böd., sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 210-212. illus. O.1930. no.10.

Dinter, K.

Die sukkulenten der Buchuberge. Monatsschr. Deut. Kakteen-Ges. 2: 215-220. O.1930. no.10.

Kupper, W.

Eine neue prächtige opuntie: O. herrfeldtii n.sp. Monatsschr. Deut. Kakteen-Ges. 2: 212-214. illus. O.1930. no.10.

Lentzsch, A.

Friedrich Fobe. Monatsschr. Deut. Kakteen-Ges. 2: 222. O.1930. no.10.

Mycologia. (Lancaster, Pa.)

Ames, L.M.

A study of some homothallic and heterothallic Ascomycetes. Mycologia. 22: 318-322. N./D. 1930. no.6.

Crouch, R. B.

Septation of the ascus in Dothidina. Mycologia. 22: 316-317. N./D.1930. no.6.

Faull, A. F.

On the resistance of Neurospora crassa. Mycologia. 22: 288-303. illus. N./D.1930. no.6.

Hirt. R. R.

Fomes everhartii associated with the production of sterile rimose bodies on Fagus grandifolia. Mycologia. 22: 310-311. pl.25. N/D.1930. no.6.

Mycologia. (cont.)

Linder, D. H.

Notes on Tremellogaster surinamensis. Mycologia. 22: 265-270. pl.22-23. N./D.1930. no.6.

Ragle, M.E.

The structure of the perithecium in the Meliolineae. Mycologia. 22: 312-315. N./D. 1930. no.6.

Ruehle, G. D.

Stemphylium congestum and its relation to decay in apples. Mycologia. 22: 304-309. illus. N./D.1930. no.6.

Stout, G. L.

New fungi found on the Indian corn plant in Illinois. Mycologia 22: 312-315. N./D.1930. no.6.

Nat. Nurserym. (Hatboro, Pa.)

Augustine, A.M.

Augustine answers on patents. Provision made for protection of originator during test period. Nat. Nurserym. 38(21): 5-6. N.1,1930.

Nature. (London)

Dixon, H. H. & Bennet-Clark, T. A.

The stomatic control of transpiration. Nature. 126: 601. O.18,1930. no.3181.

Navashin, M.

Zacyntha verrucosa Gärtner: another plant with six somatic chromosomes. Nature. 126: 604. illus. O.18, 1930. no.3181.

Naturforsch. (Berlin)

Gemeinhardt, K.

Die bedeutung der diatomeen im stoffwechselhaushalt des wassers. Naturforsch. 7: 247-256. illus., pl. 54. O.1930. no.7.

Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva)

Eidel'man, Z.M.

...[Influence of various amounts of phosphorus and length of day on the physiological functions of the plant] Nauchno-Agron. Zhurn. (Journ. Landw. Wiss. Moskva) 7: 387-402. 1930. no.5/6.

Russian with English summary.

Nederl. Kruidk. Arch. (Amsterdam)

Uittien, H.

Salvia-bastaarden. II. Nederl. Kruidk. Arch. 1930: 85-112. illus. Jl.1,1930. no.1.

North West. Nat. (Arbroath, Scotland)

Absalom, R. G.

Spiropteris sp. from the coal measures of Westbury, Shropshire. North West. Nat. 5: 166-167. pl.12. S.1930. no.3.

Weiss, F. E.

James Cosmo Melvill (1845-1929). North West. Nat. 5: 150-158. pl.11 (port.) S.1930. no.3.

Botanical publications of Dr. J. Cosmo Melvill. p.156.

Nuovo Giorn. Bot. Ital. (Firenze)

Cappelletti, C.

Osservazioni sul comportamento delle piante alpine di fronte all intensa illuninazione. Nuovo Giorn. Bot. Ital. 37: 665-667. 1930, no.3.

Cappelletti, C.

Processi di intossicazione con i prodotti del ricambio del micelio micorizogeno in Allium roseum L. Nuovo Giorn. Bot. Ital. 37: 667-668. 1930. no.3.

Ricerche morfologiche e funzionali.

Chiosi, R.

La "Sesleria nitida" Ten. del Montefeltro e dell'Alpe della Luna. Nuovo Giorn. Bot. Ital. 37: 631-637. illus. 1930. no.3.

Corti, R.

Embriologia del genere "Ionopsidium" Rchb. (Cruciferae). (Nuovo Giorn. Bot. Ital. 37: 510-526. illus. 1930. no.3.

Gàlgano, M.

Lo sviluppo del sistema conduttore nelle plantule di "Opuntia vulgaris" Mill. Nuovo Giorn. Bot. Ital. 37: 527-591. illus. 1930. no.3.

Nuovo Giorn. Bot. Ital. (cont.)

Gioelli, F.
Contributo allo studio della temperatura delle infiorescenze delle palme e Aracee. Nuovo Giorn. Bot. Ital. 37: 638-642. 1930. no. 3.

Gola, G.
L'azione del rame sull'attività saccarifera della bietola. Nuovo Giorn. Bot. Ital. 37: 668-669. 1930. no. 3.

Greco, R.
Embriologia del "Myrtus communis" L. Nuovo Giorn. Bot. Ital. 37: 609-630. illus. 1930. no.3.

Messeri, A.
Lo sviluppo del sistema conduttore di "Zamia media" Jacq. Nuovo Giorn. Bot. Ital. 37: 461-509. illus. 1930. no.3.

Messeri, A.
Lo sviluppo del sistema vascolare e del tessuto di transfusione in plantule di Ginkgo biloba L. Nuovo Giorn. Bot. Ital. 37: 678-679. 1930. no.3.

Montemartini, L.
Sulla maturazione dei periteci di "Sphaerella aronici" (Volkart) Sacc. et Trav. Nuovo Giorn. Bot. Ital. 37: 652-654. illus. 1930. no.3.

Peyronel, B.
Simbiosi fungina tipo "Lolium" in alcune graminacee del genre "Festuca". Nuovo Giorn. Bot. Ital. 37: 643-648. 1930. no.3.

Peyronel, B.
Simbiosi micorrizica tra piante alpine e basidiomiceti. Nuovo Giorn. Bot. Ital. 37: 655-663. 1930. no.3.

Rodolico, A.
Embriologia del "Buphthalmum salicifolium" L. (Asteraceae). Nuovo Giorn. Bot. Ital. 37: 592-609. p. xxiii-xxiv. 1930. no.3.

Nuovo Giorn. Bot. Ital. (cont.)

Savelli, R.

Sterilità e staurogenesi. Nuovo Giorn. Bot. Ital. 37: 681-683. 1930. no.3.

Tonzig, S.

Sulla variazione e sul significato dei composti purinici nelle piante. Nuovo Giorn. Bot. Ital. 37: 649-651. 1930. no.3.

Nota preventiva.

Ochrana Rostlin. (Prague)

Kříž, K.

Naše krajové bramborové odrůdy imuní vůči rakovině bramborů. Ochrana Rostlin. 10: 70-73. O.1930. no.3.

Czechoslovakian.

Pilát, A.

Choroš Coriolus hirsutus (Wulf.) quél. jako parasit ovocných stromů. Ochrana Rostlin. 10: 57-65. illus. O.1930. no.3.

Czechoslovakian.

Ohio Journ. Sci. (Columbus)

Sampson, H. C.

The mixed mesophytic forest community of northeastern Ohio. Ohio Journ. Sci. 30: 358-367. S.1930. no.5.

Sampson, H. C.

Succession in the swamp forest formation in northern Ohio. Ohio Journ. Sci. 30: 340-357. S.1930. no.5.

Pharm. Zentralh. (Dresden)

Tröger, J.

Ueber einige im altertum zu gewerblichen zwecken verwendte pflanzen. (concl.) Pharm. Zentralh. 71: 628-631, 642-646. O.2,9, 1930, no.40-41.

Philipp. Agr. (Los Baños)

Hollero, M. L.

A preliminary study of the glucose, sucrose, and refractometer solids relationships of five sugar cane varieties grown under Laguna conditions. Philipp. Agr. 19: 299-305. O.1930. no.5.

Roldan, E. F.

The occurrence of Pythium root-rot disease of maize and sugar cane in the Philippine Islands. Philipp. Agr. 19: 327. O.1930. no.5.

Philipp Agr. (cont.)

Stevens, F. L.

Relation of nutrients to perithecial production under ultra-violet irradiation. Philipp. Agr. 19: 265-272. illus. O.1930. no.5.

Philipp. Journ. Agr.

Morada, E. K.

Observations on the important diseases of citrus at the Lanao experiment station. Philipp. Journ. Agr. 1: 195-229. illus. 1930. no.2.

Philipp. Journ. Sci. (Manila)

Roxas, M. L. & Villano, M.

Studies on the development of the sugar-cane plant in the Philippines. Root and shoot development of M-1900. Philipp. Journ. Sci. 43: 367-400. illus., pl. 1-5. N.1930. no.3.

Phytopath.

Darrow, G. M. & Waldo, G. F.

Cleaning up strawberry stock infested with root-gall nemas. Phytopath. 20: 919-920. illus. N.1930. no.11.

Ezekiel, W. N. & Neal, D. C.

Report of the cotton-root-rot conference at Temple, Texas. Phytopath. 20: 889-894. N. 1930. no.11.

Fajardo, T. G.

Studies on the properties of the bean-mosaic virus. Phytopath. 20: 883-888. N.1930. no.11.

Fellows, H.

Wheat take-all symptoms compared with injuries caused by chinch bugs. Phytopath. 20: 907-909 illus. N.1930. no.11.

Johnson, D. E.

The relation of the cabbage maggot and other insects to the spread and development of soft rot of Cruciferae. Phytopath. 20: 857-872. illus. No.1930. no.11.

Phytopath. (cont.)

Lambert, E. B.
Two new diseases of cultivated mushrooms. Phytopath. 20: 917-919. illus. N.1930. no.11.
Rose comb disease & truffle disease [Pseudobalsamia microspora].

Leonian, L. H.
Attempts to induce "mixochimaera" in Fusarium moniliforme. Phytopath. 20: 895-901. illus. N. 1930. no.11.

MacDaniels, L. H. & Heinicke, A. J.
To what extent is "spray burn" of apple fruit caused by the freezing of the flowers? Phytopath. 20: 903-906. illus. N.1930. no.11.

Mains, E. B.
Host specialization of barley leaf rust, Puccinia anomala. Phytopath. 20: 873-882. illus. N.1930. no.11.

Porter, R. H., Chen, H. K. & Yu, T. F.
Smut resistance in millet. Phytopath. 20: 915-916. N.1930. no.11.

Severin, H. H. P.
Carrot and parsley yellows transmitted by the six-spotted leafhopper, Cicadula sexnotata (Fall.) Phytopath. 20: 920-921. N.1930. no.11.

Simmonds, P. M.
A washing device for isolation work with plant material. Phytopath. 20: 911-913. illus. N.1930. no.11.

Smith, C. O.
Pear blight on Cotoneaster. Phytopath. 20:922. N.1930. no.11.

Planta Arch. Wiss. Bot. (Berlin)

Daumann, E.
Nektarabscheidung in der blütenregion einiger araceen. Zugleich ein hinweis auf die Bargersche methode. Planta Arch. Wiss. Bot. 12: 38-48. illus. 0.9, 1930. no.1.

Dittrich, W.
Zur physiologie des nitratumsatzes in höheren pflanzen (unter besonderer berucksichtigung der nitratspeicherung). Planta Arch. Wiss. Bot. 12: 69-119. illus. 0.9, 1930. no.1.

Planta Arch. Wiss. Bot. (cont.)

Engel, H.
Weitere untersuchungen über nitratbakterien. Planta Arch. Wiss. Bot. 12: 60-68. illus. 0.9, 1930. no.1.

Gregor, J.
Ueber kalkoxalatkristalle in der samenschale von Fumaria officinalis L. Planta Arch. Wiss. Bot. 12: 49-52. illus. 0.9, 1930. no.1.

Iwanowskaja, A.
Die leitung des chemotropischen reizes von der wurzel einer pflanze auf die wurzel einer anderen. Planta Arch. Wiss. Bot. 12:129-130. illus. 0.9, 1930. no.1

Kiesel, A.
Untersuchungen über die rolle und bedeutung der chinasäure in höheren pflanzen. Planta Arch. Wiss. Bot. 12: 131-143. 0.9, 1930. no.1.

Rischkow, V. & Bulanowa, M.
Ueber sterile kulturen von albinos. Planta Arch. Wiss. Bot. 12: 144-146. illus. 0.9, 1930. no.1.

Trankowsky, D. A.
Zytologische beobachtungen über die entwicklung der pollenschlauche einiger angiospermen. Planta Arch. Wiss. Bot. 12: 1-19. illus. 0.9, 1930. no.1.

Proc. Indiana Acad. Sci.

Andrews, F. M.
Algae of Monroe County, Indiana III. Proc. Indiana Acad. Sci. 39(1929): 57-58. 1930.

Andrews, F. M.
A pressure cell. Proc. Indiana Acad. Sci. 39(1929): 59-61. illus. 1930.

Andrews, F. M.
Studies in pollen, V. [i.e., VI] Proc. Indiana Acad. Sci. 39(1929): 58-59. 1930.

Proc. Indiana Acad. Sci. (cont.)

Butler, A. W.
Robert Ridgway. Proc. Indiana Acad. Sci. 39(1929): 34-35. 1930.

Craw, J. R.
Hydrogen-ion reaction of native Indiana fern soils. Proc. Indiana Acad. Sci. 39(1929); 111-113. 1930.

Daubenmire, R. F.
Some flowering plants collected in Parke County, Indiana. Proc. Indiana Acad. Sci. 39 (1929): 133-134. 1930.

Deam, C. C.
Plants new or rare in Indiana XV. Proc. Indiana Acad. Sci. 39(1929): 123-125. 1930.

Gardner, M. W. & Mains, E. B.
Indiana plant diseases, 1928. Proc. Indiana Acad. Sci. 39(1929): 85-99. illus. 1930.

Lee, H. J.
New parasitic fungi of Montgomery County. Proc. Indiana Acad. Sci. 39(1929): 135. 1930.

Mains, E. B., Vestal, C. M. & Curtis, P. B.
Scab of small grains and feeding trouble in Indiana in 1928. Proc. Indiana Acad. Sci. 39(1929): 101-110. illus. 1930.

Morgan, W. P.
A note on the hybridizing of freesias. Proc. Indiana Acad. Sci. 39(1929): 53-55. 1930.

Price, G. & Welch, W. H.
Enumeration of the vascular flora of a limestone area of the Bloomington quadrangle, Monroe County, Indiana. Proc. Indiana Acad. Sci. 39(1929); 1927-131. 1930.

Test, F. H.
Pteridophytes of Turkey Run state park. Proc. Indiana Acad. Sci. 39(1929): 115-118. 1930.

Proc. Indiana Acad. Sci. (cont.)

Van Hook, J. M.
Indiana fungi, XII. Proc. Indiana Acad. Sci. 39(1929): 75-83. 1930.

Welch, W. H.
Forest and prairie, Benton County, Indiana. Proc. Indiana Acad. Sci. 39(1929): 67-72. illus. (map) 1930.

Yuncker, T. G.
Observations on the dwarf mistletoe, Arceuthobium pusillum. Proc. Indiana Acad. Sci. 39(1929): 63-64. illus., 1 pl. 1930.

Proc. Sci. Sect. Leeds Phil. & Lit. Soc.

Cockerham, G.
Some observations on cambial activity and seasonal starch content in sycamore (Acer pseudo platanus). Proc. Sci. Sect. Leeds Phil. & Lit. Soc. 2: 64-80. ii pl. on 1. Ap.1930. no.2.

Grainger, J.
Some properties of the virus extract of dock mosaic. Proc. Sci. Sect. Leeds Phil. & Lit. Soc. 2: 120-124. Jl.1930. no.3.

Griffiths, A. M. & Malins, M. E.
The unit of shoot growth in dicotyledons. Proc. Sci. Sect. Leeds Phil. & Lit. Soc. 2: 125-139. illus. Jl.1930. no.3.

Newby, H. L. & Pearsall, W. H.
Observations on nitrogen metabolism in the leaves of Vitis and Rheum. Proc. Sci. Sect. Leeds Phil. & Lit. Soc. 2: 81-85. Ap.1930. no.2.

Progr. Agr. & Vitic. (Montpellier)

Villedieu, G.
Cuivre et mildiou. Progr. Agr. & Vitic. 94: 373-376. O.19, 1930. no.42.

Protoplasma. (Leipzig)

Lebedincev, E.
Untersuchungen über die wasserbindende kraft der pflanzen im zusammenhang mit ihrer dürre- und kältersistenz. Protoplasma. 10: 53-81. illus. Je.1930. no.1.

Rep. Oper. Dept. Agr. Punjab.

Mohindra, K. R.

Annual report of the mycologist to government Punjab, Lyallpur, for the year ending 30th June, 192 . Rept. Oper. Dept. Agr. Punjab. 1928/1929: 79-94. 1930.

Rev. Bot. Appl. (Paris)

Chabrolin, C.

Les maladies du dattier. (concl.) Rev. Bot. Appl. 10: 661-671. pl.viii. Ag.1930. no.108.

Chevalier, A.

Le Borassus aethiopum de l'Afrique occidentale et son utilisation. Rev. Bot. Appl. 10: 649-655. Ag.1930. no.108.

Dufrenoy, J. & Sarejanni, J.

Le Phytophthora nicotianae cause de maladie des tabacs. Rev. Bot. Appl. 10: 656-661. illus. Ag.1930. no.108.

Trochain, J.

Le ricin (concl.) Rev. Bot. Appl. 10: 671-675; 738-748. Ag./S. 1930. no.108,109.

Trochain, J.

La systématique de genre Borassus et l'extraction du sucre de la sève du B. flabellifer L. Rev. Bot. Appl. 10: 713-720. S.1930. no.109.

Rev. Bryol. (Caen)

Allorge, P. & Allorge, V.

D. Antonio Casares-Gil. (1872-1929). Rev. Byrol. n.s., 3: 1-4. port. Ag.14,1930. no.1/2.

Principales publications bryologiques: p.3-4.

Allorge, P.

Notes sur la flore bryologique de la Péninsule Ibérique. IV. Sur quelques muscinées intéressantes de la vallée de Bidassoa. V. Le Riccinia perennis (Steph.) Trabut en Algarve. Rev. Bryol. n.s., 3: 8-87. illus. Ag.14,1930. no.1/2.

Rev. Bryol. (cont.)

Guillaumot, abbé

Notes bryologiques sur le Morvan. Rev. Bryol. n.s.,3: 74-79. Ag.14, 1930. no.1/2.

Jovet, P.

Revision de quelques muscinées du Valois. II. Rev. Bryol. n.s.,3: 65-73. Ag.14,1930. no.1/2.

Potier de la Varde, R. & Thériot, I.

Recherches sur les affinités du genre Acanthocladiella. Rev. Bryol. n.s.3: 5-11. pl. ii. Ag.14,1930. no.1/2.

Reimers, H.

Ueber Orthodicranum allorgei Amann et Loeske, Dicranum canariense Hpe. und D.scottianum Turn. Rev. Bryol. n.s.,3: 51-61. pl. iv-v. Ag.14, 1930. no.1/2.

Dicranum scottianum ssp. anglicum (D.scottianum Turn. et auct. europ.); D.scottianum ssp. canariense (D.canariense, D. erythrodontium, D. scottianum auct. op. de Ins. Atlant., Orthodicranum allorgei).

Sarrassat, Cl.

Note sur le Bruchia vogesiaca Schw., mousse nouvelle pour la Creuse. Rev. Bryol. n.s.,3: 62-63. Ag.14,1930. no.1/2.

Theriot, I.

Mousses du Congo Belge et de Liberia récoltées par D. H. Linder (Expedition of the Harvard Institute of Tropical biology and medicine 1926-27). Rev. Bryol. n.s.,3: 30-50. illus. Ag.14,1930. no.1/2.

Rev. Gén. Sci. (Paris)

Joyet-Lavergne, Ph.

L'intersexualité et la sexualisation cytoplasmique. Rev. Gén. Sci. 41: 533-543. O.15,1930. no.19.

Rev. Hort. (Paris)
Le Graverend, E.
Fasciation très curieuse sur hybride de Cucurbita pepo. Rev. Hort. 102:222. illus. O.16,1930. no.10.

Rev. Zool. et Bot. Afr.
Lebrun, J.
Note sur l'Encephalartos laurentianus de Wild. de la Vallée du Kwango. Rev. Zool. et Bot. Afr. 19: 384-390. illus. O.1,1930. no.3/4

Staner, P.
Note sur quelques méliacées du Congo Belge. Rev. Zool. et Bot. Afr. 19: 425-432. O.1,1930. no.3/4.
Entandrophragma lebrunii, Lovoa corbisieriana, L. leplaeana n.spp.

Science (Lancaster)
Robinson, B. L.
Botanical legacies of Walter Deane. Science. 72: 459. O.31,1930. no.1870.

Smith, R. C.
George Fouché Freeman, 1878-1930. Science. 72: 449-450. O.31,1930. no.1870.

Scott. For. Journ.
Anderson, M. L.
A case of "damping off" induced by the use of wood-ashes as a manure on seed-beds. Scott. For. Journ. 44: 7-16. Mr.1930.

Scott. Journ. Agr. (Edinburgh)
O'Brien, D. G.
An eelworm disease of potatoes caused by Heterodera schachtii. Scott. Journ. Agr. 13: 415-432. 8 pl. (partly incl. in paging) O. 1930. no.4.

So. African Gard. (Johannesburg)
Barnes, P. E.
Plants - new or noteworthy (cont.) Ferraria longa, Barnes, new species. So. African Gard. 20: 313-314. illus. O.1930. no.10.

So. African Gard. (cont.)

Phillips, E.P.

A brief historical sketch of the development of botanical science in S. A. and the contribution of South Africa to botany(concl.) So.African Gard. 20: 324-326. O.1930. no.10.

Spom. Fak. Savj. Gospod.-Sumarski Fak. Sveuč. Kralj. Jugosl. Zagrebu (Mém. Cons. Fac. Agr. et For. Univ. Roy. Yougosl. Zagreb)

Pevalek, I.

Prilog poznavanju dezmidiaceja Julskih Alpa. (Ein beitrag zur kenntnis der desmidiaceaen der Julischen Alpen). Spom. Fak. Savj. Gospod.-Sumarski Fak. Sveuč. Kralj. Jugosl. Zagrebu (Mém. Cons. Fac. Agr. et For. Univ. Roy. Yougosl. Zagreb) 1916/1929: 466-472. illus. 1929 (Rec'd O.1930)

Zusammenfassung: p.472.

Pichler, A.

Prilog za poznavanje mahova tresetara Bosne. (Ein beitrag zur kenntnis der torfmoose Bosniens). Spom. Fak. Savj. Gospod.-Sumarski Fak. Sveuč. Kralj. Jugosl. Zagrebu (Mém Cons. Fac. Agr. et For. Univ. Roy. Yougosl. Zagreb). 1916/1929: 473-479. illus. (map) 1929 (Rec'd O.1930)

Zusammenfassung: p.479.

Škorić, V.

Bolesti bilja na fakultetskom dobru "Maksimir". (Diseases of economic plants in the University farm Maksimir). Spom. Fak. Savj. Gospod.-Sumarski Fak. Sveuč. Kralj. Jugosl. Zagrebu) (Mém. Cons. Fac. Agr. et For. Univ. Roy. Yougosl. Zagreb) 1916/1929: 738-746. 1929. (Rec'd O,1930).

Brief English summary: p.746.

Tavčar, A.

Genetička konstitucija boja nekif naših kukuruznih sorata. (The genetic constitution of colors in some home-grown varieties of maize). Spom. Jugosl. Zagrebu (Mém. Cons. Fac. Agr. et For. Univ. Roy. Yougosl. Zagreb) 1916/1929: 481-499. 1929 (Rec'd O.1930)

English summary: p.487.

Svenska Mosskulturför. Tidskr.

Lundblad, K.

Kväveomsättningen i "gulspetssjuk" kärrjord från Gisselas. (Die umsetzung des stickstoffs im "urbarmachungskranken" niedermoorboden aus Gisselas). Svenska Mosskulturför. Tidskr. 44: 273-305. O.1930. no.5.

German summary: p.302-304.

Tea Quart. Tea Res. Inst. Ceylon.

Gadd, C. H.

What is the Diplodia root disease of tea? Tea Quart. Tea Res. Inst. Ceylon. 3: 44-48. My. 1930. no.2.

Not a simple specific disease. Possibly diseases with different causes have been classified as Diplodia diseases because of constant presence of Botryodiplodia theobromae. The latter may be a causative factor or a mere saprophyte.

Torreya.

Graves, A. H.

Inwood Park, Manhattan. Torreya. 30: 117-129. illus. S./O. 1930. no.5.

Located at extreme northwest corner of Manhattan Island.

Muenscher, W. C.

Some changes in the weed flora of Whatcom County, Washington. Torreya. 30: 130-134. S./O.1930. no.5.

Stations for the southern white cedar. Torreya. 30: 134-135. S./O. 1930. no.5.

Trans. Texas Acad. Sci.

Schulz, E.D. & Runyon, R.

Texas cacti; a popular and scientific account of the cacti native of Texas. Trans. Texas Acad. Sci. v.14, 181 p. illus., 1 pl. 1930.

Trans. Wisc. Acad.

Fassett, N. C.

The plants of some northeastern Wisconsin lakes. Trans. Wisc. Acad. 25: 157-168. illus. 1930.

Lounsbury, J. A.

Investigations on the nature of Protoachlya paradoxa Coker. Trans. Wisc. Acad. 25: 215-225. illus. 1930.

Trans. Wisc. Acad. (cont.)

Preliminary reports of the flora of Wisconsin IV-XI. Trans. Wisc. Acad. 25: 169-214. illus. (maps) 1930.
IV. Wilson, L.R. Lycopodiaceae, Selaginellaceae. V-X. Fassett, N.C. Coniferales, Typhaceae, Betulaceae, Aceraceae, Elatinaceae, Haloragidaceae. XI. Almon, L. Ranunculaceae.

Young, E. M.
Physiological studies in relation to the taxonomy of Monascus spp. Trans. Wisc. Acad. 25: 277-244. pl.3-4. 1930.

Trop. Agr. (Ceylon) (Peradeniya)

Hutson, J. C. & Park, M.
Investigation of the bunchy top disease of plantains in Ceylon. Trop. Agr. (Ceylon) 75: 127-140. pl. i-iii. S.1930. no.3.

Murray, R.K.S.
Proposals for further dusting experiments against Oidium on Kandanuwara estate, Matale. Trop. Agr. (Ceylon) 75: 162-163. S.1930. no.3.

Murray, R.K.S.
A recent outbreak of Xylaria thwaitesii root disease. Trop. Agr. (Ceylon) 75: 157-158. S.1930. no.3.

Murray, R.K.S.
Some common pests and diseases of young Hevea buddings. Trop. Agr. (Ceylon) 75: 159-161. S.1930. no.3.

Trop. Agriculture. West Indies. (Trinidad)

Crowther, E. M.
Physiological aspects of plant nutrition. Trop. Agriculture West Indies. 7: 303-305. N. 1930. no.11.

McIntosh, A.E.S.
Pollen shedding in cane. Pollen shedding in Barbados sugar-cane variety. Trop. Agriculture West Indies. 7: 296-299. N.1930. no.11.

Trop. Agriculture West Indies. (cont.)
Sir Francis Watts. Trop. Agriculture West Indies. 7: 289-291. port. N.1930. no.11.

Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid. (Baku)
Grossheim, A. & Prilipko, L.I.
... A geo-botanical sketch of Karabah Steppe. Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid. no.4. 130 p. xv pl. 1929.
Russian with English summary.

Grossheim, A. A.
... A sketch of the vegetation of the Mil Steepe. Trudy Geobot. Obsled. Pastb. S.S.R. Azerbaid. no.6. 120 p. xiv pl., map. 1930.
Russian with English summary.
Between Kura and Araz rivers.

U.S. Dept. Agr. Farm Bull.
Gravatt, G. F. & Gill. L.J.
Chestnut blight. U.S. Dept. Agr. Farm. Bull. 1641. 18 p. illus. N.1930.

U.S. Dept. Agr. Misc. Circ.
Griffiths, D.
Daffodils. U.S. Dept. Agr. Misc. Circ. 122. 73 p. illus. O.1930.

U.S. Dept. Agr. Techn. Bull.
Leukel, R. W.
Seed treatment for controlling covered smut of barley. U.S. Dept. Agr. Techn. Bull. 207. 22 p. illus. O.1930.

Watson's Micros. Rec. (London)
Mounting media for the Diatomaceae. Watson's Micros. Rec. 21: 24-25. S.1930.

Weekbl. Bloembollencult. (Haarlem)
Slogteren, E. van & Thomas, K.S.
Smeul, een tulpenziekte, veroorzaakt door een schimmel, Sclerotium perniciosum nov.spec. Weekbl. Bloembollencult. 41: 131-135. illus. Ag.19, 1930. no.15.
Reprinted as Meded. Lab. Bloembollenonderz. Lisse. no.38.

Zeitschr. Gesamte Getreidew. (Berlin)

Strilciuc, D.

Beitrag zur mikrophotographie der getreidearten einschliesslich mais, hirse, buchweizen sowie der leguminosen. Zeitschr. Gesamte Getreidew. 17: 176-181, 194-196. 4 pl. on 2. Ag., S. 1930. no.8, 9.

Zeitschr. Pilzk. (Leipzig)

Kunz, Ö.

Der rohrkolben-schnitzling. Zeitschr. Pilzk. 14 (n.s.9): 134-136. illus. S.30, 1930. no.8/10.

Naucoria typhicola.

Pilát, A.

Die abwässerungskanäle in den hymenophoren der polyporaceen. Zeitschr. Pilzk. 14(n.s.9): 118-124. pl.9. S.30, 1930. no.8/10.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie)

Breslavets, L. P.

... On the heredity transmitted by the plasma. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 149-167. illus. 1930. no.1/2.

Russian with English summary.

Chistoserdova, G. V.

... Zur frage über den zusammenhang der plasmolysierenden kraft der mineralsalze und ihre konzentration (vorläufige mitteilung). Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 85-90. 1930. no.1/2.

Russian with German summary.

Gorodkov, B. N.

... Bemerkungen über Carex-arten der USSR. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 179-186. illus. 1930. no.1/2.

Russian with Latin diagnosis of n.sp. (C. soczavaeana)

Ivanov, L. & Busch, N.

... Memoire on Ivan Parfenievich Borodin, 1847-1930. Zhurn. Russk. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 15: 3-5. port. 1930. no.1/2.

Russian.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Kiseleva, E.I.

... Einige neue blaualge Scytonematopsis woronichinii mihi. Zhurn. Russ. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 169-177. (incl. 2 pl.) 1930. no.1/2.

Russian with German summary and Latin diagnosis.

Kotov, M.

... Geobotanical notice of the beech woods on Zbrouch river. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 139-148. 1930. no.1/2.

Satanovsky forest, Podolia.

Russian with English summary.

Kotov, M.

... Geo-botanische skizze der Insel Tschurjuk-Tjub im Siwaschgebiet. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 43-46. 1930. no.1/2.

Russian with German summary.

Maleev. V. P.

... Ueber die geographische verbreitung der subsektion Myrsinitaae der gattung Euphorbia L. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 47-54. illus. (map) 1930. no.1/2.

Russian with German summary.

Perlova, R. L.

... Anatomische untersuchungen einiger Sparganium-arten. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 63-84. illus. (incl.maps) 1930. no.1/2.

Russian with German summary.

Poplavskaja, G. I.

... Zur vegetation des berges Tschatydrag. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 93-137. illus. 1930. no.1/2.

Russian with German summary.

Rozanova, M.

... Iu. A. Filipchenko, 1882-1930. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 15: 187-190. port. 1930.

Russian.

Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) (cont.)

Skvortsov, B. V.

... Contributions à la flore des algues de la partie asiatique de l'URSS. I. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 91-92. 1930. no.1/2.

Russian.

Sochava, V. B.

... Zur phytosoziologie des nadelwaldes. I. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie). 15: 7-41. 1930. no.1/2.

Russian with German summary.

Sokolovskaja, A.

... Die bedeutung der mikro-morphologischen merkmale für die systematik einiger wasserpflanzen. Zhurn. Russk. Bot. Obshch. (Journ. Soc. Bot. Russie) 15: 55-62. illus. 1930. no.1/2.

Russian with German summary.

Exper. Stat. Publ.

Pope, W. T.

Papaya culture in Hawaii. Hawaii Agr. Exp. Stat. Bull. 61. 40 p. illus. O.1930.

Durst, C. E.

Inheritance in lettuce. Illinois Agr. Exp. Stat. Bull. 356: 239-341. illus. O.1930.

Winter, J. D.

Identification of cultivated raspberries. Minnesota Agr. Exp. Stat. Tech. Bul. 66. 14 p. illus. Ap.1930 (Rec'd O.)

Tilford, P. E.

Carnation.rust. Ohio Agr. Exp. Stat. Bimonth. Bull. 147: 191-195. illus. N./D.1930.

Bach, W.J. & Taubenhaus, J.J.

Black-rot of cabbage and its control. Texas Agr. Exp. Stat. Circ. 57. 9 p. 1 pl. Ag.1930.

State Publications.

Bagley, D.

Importance of certain factors, particularly the disease, in the selection and breeding of corn, including some historical facts. North Carolina Agr. Exp. Stat. Agron. Inform. Circ.56. 4 p. O.1930.

Mimeographed.

New Books.

Carughi, A. & Paoloni, C.

I mezzi chimica nella lotta contro le malattie delle piante, fabricazione, impiego, azione. Milano, U. Hoepli, 1928.

Chamber of Commerce of the United States-Agricultural service department committee.

A suggested program of weed research and control submitted to Hon. Alexander Legge, chairman, Federal farm board. Washington, D.C., Ap.23, 1930.

Mimeographed.

DuPuy, W. A.

Our plant friends and does. Philadelphia, J.C. Winston Co., 1930.

Eichinger, A.

Die unkrautpflanzes des kalkgesättigten bodens. Berlin, Kalkverlag, 1930.

Harvey, R. B.

Plant physiological chemistry. New York, Century Co., 1930.

Henrici, A.H.

Molds, yeasts, and Actinomycetes. A handbook for students of bacteriology. New York, J. Wiley & sons, 1930.

Javorka, S. & Csapody, V.

A Magyar flóra képekben (Iconographie florae Hungaricae) v.5. Budapest, K. Magyar természettudományi társulat, 1930.

New Books (cont.)

Kalugin, I. I.

... [Research into the condition of domestic animals in Azerbaidan]. Baku, 1930

Pages 219-329 contain analyses and lists of plants.

Leningrad, Akademiia nauk, S.S.S.R.

... La Turkomanie, t.III. Leningrad, 1929. (Rec'd 1930).

Russian.

Gerasimov, I.P. Le manteau végétal de la Turkomanie: p.1-35. -- Dubianskii, V.A. Les sables désertiques... p.37-102. -- Fedchenko, B.A. La végétation ... p.103-128.

Weber, G. A.

The plant quarantine and control administration, its history, activities and organization. Washington, Brookings Inst., 1930.

Zahlbruckner, A.

Catalogus lichenum universalis. bd.vii, bog. 1/10. Leipzig, Gebrüder Borntraeger, 1930.

Reprints from Journals not yet rec'd.

May, C.

The Dutch elm disease. Reprinted in advance from Proc. Nat. Shade Tree Conf. 6th, 1930. 6 p. pl. 1930.

Radeloff, H.

Zur unterscheidung der spezfrüchte unserer wichtigsten Festuca- u. Poa-arten unter besonderer berücksichtigung ihrer mikroskopie. Reprinted from Mitt. Intern. Ver. Samenkon. 1930, h.11/12, as Inaug.-diss. Hamburg. 1929. 107 p.

Translations filed in Library of Bur. of Plant Industry.

Jeswiet, J.

Beschrijving der soorten van het suikkeriet Vii. (Descriptions of varieties of sugar cane VII) Zaailingen van verschillend bloed, die een vrij belangrijke verbreiding hebben gevonden; 36 B, 66 B, 221 B, 90 F, 160 F, 66 wit Carp, G.Z.A., Kesormo en Tjepiring 24 (Seedlings of different blood that have been widely used...) Arch. Suikerind. Nederl,-Indië. 25(2): 1949-1994. D.1917.

Corrections.

Vol.12, no.20, p.l.

Under Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol, Marsh, R.W. & Maynard, J.G., the word walnut at end of first line should be omitted.

Vol. 12, no. 20, p.18.

Nauk Pratsi Ukrains, &c.

Favarv. 1st word of title should read Hylogenetische.

Vol.12, no. 21,p20,

Entry under So. African Gard. should be So. African Fruit Grow.

copy

NOV 1930

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 12, no. 24. Nov.10-22, 1930.

Amer. Journ. Bot.

Chute, H. M.
The morphology and anatomy of the achene. Amer. Journ. Bot. 17: 703-723. pl.xlii-xliv. O. 1930. no.8.

Denny, F. E.
Sucrose and starch changes in potatoes treated with chemicals that break the rest period. Amer. Journ. Bot. 17: 806-817. O.1930. no.8.

Denny, F. E.
The twin-leaf method of studying changes in leaves. Amer. Journ. Bot. 17: 818-841. O. 1930. no.8.

Holmes, F. O.
Local and systemic increase of tobacco mosaic virus. Amer. Journ. Bot. 17: 789-805. illus. O.1930. no.8.

Karling, J. S.
Studies in the Chytridiales IV. A further study of Diplophlyctis intestina (Schenk) Schroeter. Amer. Journ. Bot. 17: 770-778. pl.xlvi-xlix. O. 1930. no.8.

Kienholz, R.
The wood structure of a "pistol-butted" mountain hemlock. Amer. Journ. Bot. 17: 739-764. illus. O.1930. no.8.

Kribs, D. A.
Comparative anatomy of the woods of the Meliaceae. Amer. Journ. Bot. 17: 724-738. O.1930. no.8.

O'Hanlon, M. E.
Gametophyte development in Reboulia hemisphaerica. Amer. Journ. Bot. 17: 765-769. illus., pl. xlv. O.1930. no.8.

Amer. Journn. Bot. (cont.)

Thomas, R. C.
Composition of fungus hyphae II. Sclerotinia. Amer. Journ. Bot. 17: 779-788. O.1930. no.8.

Zimmerman, P. W.
Oxygen requirements for root growth of cuttings in water. Amer. Journ. Bot. 17: 842-861. illus. O.1930. no.8.

Amer. Midl. Nat. (Notre Dame, Ind.)

Farwell, O. A.
Type-specimens, Mr. Blake and the international rules. Amer. Midl. Nat. 12: 175-178. N. 1930. no.6.

Harbison, T. G.
Polycodium ashei, a new deerberry from the southeast. Amer. Midl. Nat. 12: 179-181. N.1930. no.6.

Amer. Nat. (Lancaster, Pa.)

Brink, R. A.
Some problems in the utilization of inbred strains of corn (Zea mays). Amer. Nat. 64: 525-539. N./D. 1930. no.695.

Capinpin, J. M.
Meiotic behavior of triploid Oenotheras. Amer. Nat. 64: 566-570. N./D. 1930. no.695.

Castle, W. E.
The significance of sexuality. Amer. Nat. 64: 481-494. N./D. 1930. no.695.

Sinnott, E.W. & Hammond, D.
Factorial balance in the determination of fruit shape in Cucurbita. Amer. Nat. 64: 509-524. N./D. 1930. no.695.

Ann. Épiph. (Paris)

Dufrenoy, J.
La lutte contre la maladie des chataigniers. Ann. Épiph. 16: 25-49. illus., pl.i-v, map. Ag.5, 1930. no.1.
Inky disease.

Ann. Épiph. (cont.)

France. Station centrale de pathologie végétale
Maladies non parasitiares et maladies causées par des parasites végétaux. Ann. Épiph. 15: 336-373. Ag.1930.

France. Station centrale de pathologie végétale.
Rapport de M. Et.Foex. Ann. Épiph. 15: 379-384. Ag.1930.

France. Station de phytopathologie et phytogénétique de Grignon.
[Rapport] Ann. Épiph. 15: 400-401. Ag. 1930.
Directeur V.Ducomet.

Ann. Mus. Colon. Marseille.

Exbrayat-Durivaux, C.
Notes sur la germination des Moringa malgaches Ann. Mus. Colon. Marseille. 38(IV,8) fasc.2. 21 p. 3 pl. 1930. no.2.

Jumelle, H.
Catalogue descriptif des collections botaniques du Musée Colonial de Marseille: Indochine. (Ceréales - plantes féculentes - légumes - fruits). Ann. Mus. Colon. Marseille. 38(IV,8) fasc.4. 63 p. 1930.

Ann. Serv. Bot. Tunisie.

Boeuf, F. & Chabrolin, Ch.
Action de la gelée sur les céréales a l'époque de l'épiaison. Ann. Serv. Bot. Tunisie. 6: 79-104. 3 pl. on 2. 1930.

Guillochon, L.
Etude sur les aurantiacées. Ann. Serv. Bot. Tunisie. 6: 1-56. 1930.

Petit, A.
Energie fongicide de certains sels halogénés de cuivre et de mercure vis-a-vis de la carie du blé, en fonction de la concentration. Ann. Serv. Bot. Tunisie. 6: 57-70. illus. 1930.

Petit, A.
Essais de stérilisation partielle d'un sol constamment humide. Résultats préliminaires obtenues avec le blé tendre. Ann. Serv. Bot. Tunisie. 6: 71-77. 1 pl. 1930.

Annuaire Agr. Suisse.

Faes, H., Lavanchy, G. & Aubert, Ph.

Enquete fruitière en Suisse romande. L'ètude des poires de table 1929-1930. Annuaire Agr. Suisse. 31:217-258. 1930. no.3.

Arch. Protistenk. (Jena)

Pringsheim, E. G.

Die kultur von Micrasterias und Volvox. Arch. Protistenk. 72: 1-48. illus., pl. i-ii. N.3, 1930. no.1.

Beitr. Biol. Pflanz. Cohn. (Breslau)

Grossheim, A. A.

Zur frage nach dem zustandekommen der pflanzendecke. Beitr. Biol. Pflanz. Cohn. 18: 225-268. 1930. no.2.

German translation by S. and H. Ruoff, from Russian.

Katz, N.J.

Die grundlegenden gesetzmässigkeiten der vegetation und der begriff der assoziation. Beitr. Biol. Pflanz. Cohn. 18: 305-333. 1930. no.2.

Kisser, J. & Stasser, R.

Untersuchungen über die bei der keimung geschälter leguminosamen auftretenden wurzel- und hypokotyl krümmungen. Beitr. Biol. Pflanz. Cohn. 18: 161-184. illus., pl. iv-v. 1930. no.2.

Ramensky, L.G.

Zur methodik der vergleichenden bearbeitung und ordnung von pflänzenlisten und anderen objekten die durch mehrere, verschiedenartig wirkende faktoren bestimmt werden. Beitr. Biol. Pflanz. Cohn. 18: 269-304. illus. 1930.

German translation of Russian original by S. and H. Ruoff.

Stoklasa, J., Pěnkava, J., Štrupi, M., Tjukov, D. & Vrbenský, V.

Die dynamik der physiologischen wirkung der radioaktivität auf das protoplasma. Beitr. Biol. Pflanz. Cohn. 18: 185-224. illus. 1930. no.2.

Bergens Mus. Arb.

Faegri, K.

Om de i norden iakttatte Amsinckia-arter en systematisk orientering. Bergens Mus. Arb. Naturvidensk. Rek. 1929, pt.2. no. 8. 35 p. illus. 1929. no.2.

Blue Anchor. (Sacramento, Cal.)

Milbraith, D. G.

Blight in pears in 1930. Blue Anchor. 7(11): 8-10, 25-26. illus. N.1930.

Scott, C. E.

Dormant spraying for plant diseases. Blue Anchor. 7(11): 2-3, 18. illus. N.1930.

Bol. Agencia Geral. Colon. Portugal (Lisboa)

Silva Guardado, R.A. da.

A mafurreira ("Trichilia emética", Vahl.) Bol. Agencia Geral. Colón. Portugal. 6: 66-76. O.1930. no.64.

Bot. Jahrb. Engl. (Leipzg)

Aellen, P.

Eine neue sektion der gattung Chenopodium (Sect.Tetrasepala). Bot. Jahrb. Engl. 63: 490-492. O.10, 1930. no.5.

Aellen, P.

Die systematische stellung und gliederung der R. Brownschen gattung dysphania. Bot. Jahrb. Engl. 63: 482-490. O.10, 1930. no.5.

Chenopodium sect.dysphania.

Gothan, W.

Die pflanzengeographischen verhältnisse am ende des paläozoikums. Bot. Jahrb. Engl. 63: 353-367. O.10, 1930. no.5.

Lauterbach, C.

Beiträge zur flora von Papuasien. XIX... Die pflanzenformationen einiger gebiete Nordost-Neu-Guineas und des Bismarck-Archipels. IV. Bot. Jahrb. Engl. 63: 419-476. O.10, 1930. no.5.

Bot. Jahrb. Engl. (cont.)

Stojanoff, N.

Versuch einer analyse des relikten elements in der flora der Balkanhalbinsel. Bot. Jahrb. Engl. 63: 368-418. illus. 0.10, 1930. no.5.

Wagner, R.

Ueber anisophylle quiinaceen. Bot. Jahrb. Engl. 63: 477-482. 0.10, 1930. no.5.

Bot. Not. (Lund, Sweden)

Du Rietz, G. E.

Three species of marine algae new for the Swedish part of the Baltic. Bot. Not. 1930: 360-367. 1930. no.5.

Desmotrichum balticum Kütz, Leathesia difformis (L.) Aresch, Scytosiphon lomentarius (Lyngb.) J.Ag., n.spp.

Floderus, B.

Sibiriska inslag i Fennoskandias Salix-flora. Bot. Not. 1930: 325-343. illus. 1930. no.5.

Hammarlund, C.

Rostsvampar på Mahonia (Puccinia mirabilissima Peck och P. graminis Pers.) Bot.Not. 1930: 380-407. illus. 1930. no.5.

English summary: p.403-406.

Nannfeldt, J.A.

En skadesvamp å Mahonia, Uropyxis mirabilissima, stadd i stark spridning. Bot. Not. 1930: 371-379. 1930. no.5.

English summary: p.378.

Nilsson, G.

Lichenologiska bidrag III. Bot. Not. 1930: 344-359. 1930. no.5.

Wiger, J.

Ein neuer fall von autonomer nucellarpolyembryonie. Bot. Not. 1930: 368-370. illus. 1930. no.5.

Sarcococca pruniformis.

Bothalia. (Pretoria)

Forbes, H.M.L.

The genus Psoralea Linn. Bothalia. 3: 116-136. Ag.30, 1930. no.1.

McClean, A.P.D. & Storey, H. H.

A drying cabinet for the preparation of plant specimens for the herbarium. Bothalia. 3: 137-141, incl. illus., ii pl. Ag.30, 1930. no.1.

Marloth, R.

Notes on Aloe spicata, Linn. fil. Bothalia. 3: 142-146. illus. Ag.30,1930. no.1.

Schonland, S.

The South African species of Rhus L. Bothalia. 3: 1-115. illus. Ag.30, 1930. no.1.

Stent, S. M.

South African Gramineae. Some new species of Digitaria. Bothalia. 3: 147-156. Ag.30, 1930. no.1.

Broteria Ser.Bot. (Lisboa)

Luisier, A.

Les mousses de l'Archipel de Madère et en général des Iles Atlantiques (cont.) Broteria Sér. Bot. 24: 119-140. 1930. no.3.

Rick, J.

Contributo IV ad monographiam agaricacearum brasiliensium. Brotéria Ser. Bot. 24: 1-118. 1930. no.3.

Bull. Inst. Pin Bordeaux.

Curtin, L.P.

Réactions chimiques des champignons qui attaquent les bois (cont.) Bull. Inst. Pin Bordeaux. 1930: 231-236. O.15, 1930. no.10.

Bull. Misc. Inform. Kew. (London)

Bullock, A. A.

Nandi coffee. Bull. Misc. Inform. Kew. 1930: 401-402. no.9.

Coffea nandiensis, a ms.name, synonymous with C. eugenioides.

Bull. Misc. Inform. Kew. (cont.)

Burtt Davy, J.
Acacia tortilis and Acacia spirocarpa. Bull. Misc. Inform. Kew. 1930: 402-404. no.9.

Craib, W. G.
Contributions to the flora of Siam. Additamentum XXIX. Bull. Misc. Inform. Kew. 1930: 405-427. no.9.

Gilliat-Smith, B. & Turrill, W.B.
On the flora of the Nearer East. VIII. A contribution to our knowledge of the flora of Azerbaidjan, N.Persia. III. Bull. Misc. Inform. Kew. 1930: 427-463. no.9.

Bull. Mus. Hist. Nat. Paris.

Costantin, J.
Culture du Pleurotus eryngii en 1929. Bull. Mus. Hist. Nat. Paris. II,2: 301-303. Mr.1930 (Rec'd N.) no.3.

Franquet, R.
L'Actinostemma paniculatum Maxim. ex Cogniaux doit constituter un genre nouveau de cucurbitacées. Bull. Mus. Hist. Nat. Paris. II,2: 324-328. illus. Mr.1930 (Rec'd N.) no.3.
Bolbostemma n.gen. (B. paniculatum, B. biglandulosum).

Gagnepain, F.
Eria nouveaux d'Indo-Chine. Bull. Mus. Hist. Nat. Paris. II, 2: 304-312. Mr.1930 (Rec'd N.) no.3.

Gagnepain, F.
Nouveaux Coelogyne d'Asie. Bull. Mus. Hist. Nat. Paris, II, 2: 423-426. My.1930 (Rec'd N.) no.3.
C.dalatensis, C. eberhardtii, C. fleuryi, C. laotica, C. psectrantha.

Guillaumin, A.
Plantes nouvelles ou critiques des serres du Muséum (cont.) Bull. Mus. Hist. Nat. Paris. II, 2: 577-579. Je.1930. (Rec'd N.) no.5.

Bull. Mus. Hist. Nat. Paris. (cont.)

Hall, H.M.

Méthodes expérimentales en taxonomie végetale, Bull. Mus. Hist. Nat. Paris. II, 2: 564-570. Je.1930 (Rec'd N.) no.5.

Marques, Y.

Contribution a l'étude anatomique de la feuille des Rhododendron de l'Indo-Chine. Bull. Mus. Hist. Nat. Paris. II, 2: 427-432. My.1930 (Rec'd N.) no.4.

Meister, Fr.

Mission du "Pourquoi-pas?" en 1929 sous le commandement du Dr. J.B. Charcot. Diatomes récoltées par R.Ph. Dollfus sur une glace flottante. Bull. Mus. Hist. Nat. Paris. II, 2: 329-330. Mr.1930 (Rec'd N.) no.3.

Pellegrin, F.

Plantae Letestuanae novae ou Plantes nouvelles récoltées par M. Le Testu de 1907 a 1919 dans le Mayombe congolais. Bull. Mus. Hist. Nat. Paris. II, 2: 571-573. Je.1930 (Rec'd N.) no.5.

Dracaena letestui, D. nyangensis, Palisota alopecurus, n.spp.

Tisserant, C.

Eriosema de l'Oubangui. Bull. Mus. Hist. Nat. Paris. II, 2: 313-323. Mr.1930 (Rec'd N.) no.3.

E. pellegrini, E. sacleuxii, E. ippyense n.spp.

Tisserant, C.

Psophocarpus nouveaux, légumineuses-papilionées du Haut-Oubangii. Bull. Mus. Hist. Nat. Paris. II, 2: 574-576. Je.1930(Rec'd N.) no.5.

P. lecomtei, P. obovalis.

Bull. Sci. Pharm. (Paris)

Neyron, C.

Recherches sur le principe fermentescible des tubercules d'asphodele. Bull. Sci. Pharm. 37: 538-548. illus. O.1930. no.10.

Bull; Serv. Techn. Dép. Agr. & Enseign. Prof. Haiti.

Leonard, L.Y. & Sylvain, P.G.

La papaya, travaux de sélection et méthodes de culture. Bull. Serv. Techn. Dép. Agr. & Enseign. Prof. Haiti. no.20. 28 p. illus. My.1930 (Rec'd O.)

Compt. Rend. Acad. Agr. France. (Paris)
Costantin, J.
Accroissement de la résistance à la maladie par l'altitude. Compt. Rend. Acad. Agr. France. 16: 833-836. O.22, 1930. no.24.

Costantin, J.
Les certificats phytopathologiques de nondégénérescence de la pomme de terre dans l'Amérique du Nord. Compt. Rend. Acad. Agr. France. 16: 836-839. O.22, 1930. no.24.

Compt. Rend. Acad. Sci. Paris.
Chemin, E.
Action des radiations ultraviolettes sur les spores et les germinations des floridées. Compt. Rend. Acad. Sci. Paris. 191: 727-729. O.27, 1930. no. 17.

Colin, H. & Bougy, E.
Caractères de quelques hybrides de betteraves. Compt. Rend. Acad. Sci. Paris. 191: 730-731. O.27, 1930. no.17.

Compt. Rend. Soc. Biol. Paris.
Descazeaux, J.
Intoxication des ruminants par Cestrum palqui. Compt. Rend. Soc. Biol. Paris. 105: 240-241. O.24, 1930. no.28.

Ernähr. Pflanze. (Berlin)
Loew, O.
Zur theorie der magnesiumfunktionen in der pflanze. Ernähr. Pflanze. 26: 477-479. N.1, 1930. no.21.

Flor. Exch. (N.Y.)
Wyman, D.
The time of year to make cuttings of narrow-leaved evergreens. Flor. Exch. 75(11): 27. illus. N.15, 1930.

Fortschr. Landw. (Vienna)
Konopa, H.
Saugkraftmessungen an einigen weizen- und roggensorten. Fortschr. Landw. 5: 707-712. N.1, 1930. no.21.

Gard. Chron. (London)

Butler, A. E.
The Manaca or Cohune palm of Central America. Gard. Chron. III, 88: 339. illus. O.25, 1930. no.2287.
Attalea cohune.

Craig, W.N.
The late Ernest Henry Wilson. An American appreciation. Gard. Chron. III, 88: 394. N.8, 1930. no.2289.

Durham, H. E.
Fruit lenticels, or "freckles". Gard. Chron. III, 88: 393-394. illus. N.8, 1930. no.2289.

Ernest H. Wilson, V.M.H. Gard. Chron. III, 88: 333-334. port. O.25, 1930. no.2287.

Friend, H.
Horticulture in relation to commerce. Second series. II. Spicery, balm and myrrh. Gard. Chron. III, 88: 386-387. N.8, 1930. no.2289.

Ingram, C.
Gladiolus grandis var. lucidus, Ingram. Gard. Chron. III, 88: 345. illus. O.25, 1930. no.2287.

Johansen, D. A.
Burragea. Gard. Chron. III, 88: 368. illus. N.1, 1930. no.2288.

King, G.A.
The cabbage tree palm: Livistona australis. Gard. Chron. III, 88: 387. illus. N.8, 1930. no.2289.

Melles, A. B.
Sand dune planting. With special reference to the Belgian Coast. Gard. Chron. III, 88: 364. illus. N.1, 1930. no.2288.

Reid, M.E.
The influence of nutritive conditions of seeds and cuttings upon the development of roots. Gard. Chron. III, 88: 392-393. N.8, 1930. no.2289.

Gard. Chron. (cont.)

Taylor, G. M.
Liliums and "root association". Gard. Chron. III, 88: 362. N.1, 1930. no.2288.

Ward, F. K.
The Roosevelt expedition in French Indo-China. Gard. Chron. III, 88: 364-366, 387-388. N.1,8, 1930. no.2288, 2289.
II. Where the cheroots come from: and other places.

Gard. Illus. (London)

Osborn, A.
Dr. Ernest Henry Wilson, M.A., V.M.H. Gard. Illus. 52(2694): 697. port. O.25, 1930. no.2694.

Helvetica Chim. Acta. (Basel)

Euler, H. v., Demole, V., Karrer, P. & Walker, O.
Ueber die beziehung des carotingehaltes zur vitamin-A-wirkung in verschiedenen pflanzlichen materialien. Helvetica Chim. Acta. 13: 1078-1083. 1930. no5.

Karrer, P. & others.
Pflanzenfarbstoffe XXIII-XXVIII. Helvetica Chim. Acta. 13: 1063-1067, 1067-1070, 1084-1099, 1099-1102, 1102-1104, 1104-1105. 1930. no.5.

Kohlschütter, V.
Untersuchungen über prinzipien der genetischen stoffbildung I-II. Helvetica Chim. Acta. 13: 929-978, 978-1006. illus., 8 pl. on 4. S.1, 1930. no.5.
Julia Marti joint author pt.I.
Max Lüthi joint author pt.II.
I. Ueber bildungsformen des calciumoxalats. II. Zur kenntnis der verlaufs chemischer reaktionen in krystallen I. Versuche an kupferverbindungen.

Hereditas. (Lund)

Christie, W., & Wriedt, C.
Seasonal effects on Mendelian segregations and sex ratios. Hereditas. 14: 173-196. 1930. no.2.
Material left by the authors who died in 1927 and 1929, written up by H. Wexelsen. Experiments with peas for the plant side.

Hereditas (cont.)

Müntzing, A

Ueber chromosomenvermehrung in Galeopsiskreuzungen und ihre phylogenetische bedeutung. Hereditas. 14: 153-172. illus. 1930. no.2.

English summary: p.171.

Turesson, G.

The selective effect of climate upon the plant species. Hereditas. 14: 99-152. 1930. no.2.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Terenyi, A.

Biochemie der brandkrankheiten der getreidearten. III. Ueber die kupferadsorption der haferflugbrandsporen (Ustilago avenae [Pers.] Jens.) Hoppe-Seyle. Zeitschr. Phys. Chem. 192: 274-280. illus. O.20, 1930. no.4/6.

Indian For. (Dehra Dun)

Parkinson, C. E. & Raizada, M.B.

New Indian species of forest importance. pt. 7. Indian For. 56: 426-440. O.1930. no.10.

Industr. Chim. (Roma)

Casaburi, V.

I sali di mercurio per la disinfezione delle sementi. Industr. Chim. 5: 1251-1260. illus. O.1930. no.10.

Jahrb. Wiss. Bot. (Leipzig)

Brambring, F.

Untersuchungen über die wirkungen des aluminiums auf wasserpflanzen. Jahrb. Wiss. Bot. 73: 241-299. illus. O.1930. no.2/3.

Höfler, K.

Ueber eintritts- und rückgangsgeschwindigkeit der plasmolyse und eine methode zur bestimmung der wasserpermeabilität des protoplasten. Jahrb. Wiss. Bot. 73: 300-350. illus. O.1930. no.2/3.

Jahrb. Wiss. Bot. (cont.)

Huber, B. & Höfler, K.
Die wasserpermeabilität des protoplasmas. Jahrb. Wiss. Bot. 73: 351-511. illus., 1 pl. O.1930. no.2/3.

Klein, G. & Tauböck, K.
Harnstoff und ureide bei den höheren pflanzen. Jahrb. Wiss. Bot. 73: 193-225. illus. O.1930. no.2/3.

Pascher, A.
Amöboide, animalisch sich ernährende entwicklungsstadien bei einer alge (heterokonte). Jahrb. Wiss. Bot. 73: 226-240. illus. O.1930. no.2/3.

Japan. Journ. Bot. (Tokyo)

Kakesita, K.
Experimental studies on regeneration in Bryophyllum calycinum. Japan. Journ. Bot. 5: 219-252. illus. 1930. no.2.

Kataoka, T.
On the significance of the root-nodules of Coriaria japonica, A. Gr. in the nitrogen nutrition of the plant. Japan. Journ. Bot. 5: 209-218. illus., pl. i. 1930. no.2.

Kazizaki, Y.
Studies on the genetics and physiology of self- and cross-incompatibility in the common cabbage (Brassica oleracea L. var. capitata L.) Japan. Journ. Bot. 5:133-208. illus. 1930. no.2.

Journ. Amer. Soc. Agron. (Geneva, N.Y.

Welton, F. A. & Morris, V. H.
The lodging of soybeans. Journ. Amer. Soc. Agron. 22: 897-902. illus. N.1930. no.11.

Journ. Biol. Chem. (Baltimore)

Csonka, F. A., Horn. M.J. & Jones, D. B.
Studies on glutelins. VI. The optical rotation of the glutelins of wheat, rye, barley, maize, and rice. Journ. Biol. Chem. 89: 267-273. N. 1930. no.1.

Journn. For. Suisse (Berne).
Peter-Contesse, J.
Du gui. Situation et conditions de croissance des forets de la zone édutiée (concl.) Journ. For. Suisse. 81: 247-258. illus. N.1930. no.11.

Journ. Gen. Physiol. (Baltimore)
Osterhout, W.J.V.
The accumulation of electrolytes. II. Suggestions as to the nature of accumulation in Valonia. III. Behavior of sodium, potassium, and ammonium in Valonia. Journ. Gen. Phys. 14: 285-300, 301-314. N.20, 1930. no.2.
A.G. Jacques, first author pt. III.

Osterhout, W.J.V.
The kinetics of penetration. III. Equations for the exchange of ions. Journ. Gen . Physiol. 14: 277-284. N.20, 1930. no.2.

Journ. Kew Guild.
Dunk, E. G.
John Coutts. Journ. Kew Guild. 4: 747-748. port. Mr.1930. no.37.

Journ. Min. Agr. Gt. Brit. (London)
Hall, A. D.
Research and the breeding of apples. Journ. Min. Agr. Gt. Brit. 37: 765-778, 4 pl. on 2. N.1930. no.8.
A lecture delivered at the Bristol meeting of the British association.

Journ. Mysore Agr. & Exp. Union.
Coleman, L. C.
Virus diseases of plants. Journ. Mysore Agr. & Exp. Union. 10: 124-132. 4 pl. on 2. 1929. no.3.

Journ. N.Y. Bot. Gard.
Small, J. K.
Harvesting iris seeds in the Gulf States. Journ. N. Y. Bot. Gard. 31: 272-277. illus. N.1930. no.371.

Torrey, R. H.
Unusual plant occurrences around New York. Journ. N. Y. Bot. Gard. 31: 267-271. N.1930. no.371.

Journ. Roy. Hort. Soc. (London)

Barnes, T. A.

The flora of the equatorical highlands of Africa. Journ. Roy Hort. Soc. 55: 266-270. S.1930. no.2.

Hatton, R.G.

Stock: scion relationships. Journ. Roy. Hort. Soc. 55: 169-211. 18 pl. on 9. S.1930. no.2.

Masters memorial lectures, 1929.

Metcalfe, C. R.

The "shab" disease of lavendar. Journ. Roy. Hort. Soc. 55: 271-275. 2 pl. on 1. S. 1930. no.2.

Spence, H.

Walnuts. Journ. Roy. Hort. Soc. 5: 244-256. 8 pl. on 4. S.1930. no.2.

Todd, E. E.

A short survey of the genus Viola. Journ. Roy. Hort. Soc. 55: 223-243. illus., 1 pl. S. 1930. no.2.

I. The Nomimium and Dischidium sections.

Witt, A. W.

Further observations on walnut growing in England. Journ. Roy. Hort. Soc. 55: 257-265. 12.pl. on 6. S.1930. no.2.

Journ. Soc. Trop. Agr. Japan. (Taiwan)

Ishikawa, J. & Shibuya, T.

On the histological characteristics of red rice. Journ. Soc. Trop. Agr. Japan. 2: 65-70. S.1930. no.1.

English résumé: p.69-70.

Kudo, Y.

Haraella, a new genus of orchids from Formosa. Journ. Soc. Trop. Agr. Japan. 2: 26-28. pl. i (col.) S.1930. no.1.

H. odorata, H. retrocalla.

Journ. Soc. Trop. Agr. Japan. (cont.)

Masamune, G.

Contribution to our knowledge of the flora of the southern part of Japan. I. Journ. Soc. Trop. Agr. Japan. 2:29-54. S.1930. no.1.

Matsumoto, T.

Further studies on some putrefactive phytopathogenic bacteria by agglutinin absorption. Journ. Soc. Trop. Agr. Japan. 2: 16-24. S.1930. no.1.

Shibuya, T.

Germination of cotton pollen in artificial culture media. Journ. Soc. Trop. Agr. Japan. 2: 55-64. S.1930. no.1.

English résumé: p.63-64.

Journ. Washington Acad. Sci.

Williams, R.S.

Mosses collected in Brazil and Argentina by J.N. Rose in 1915. Journ. Washington Acad. Sci. 20: 465-475. illus. N.19, 1930. no.19.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin)

Oberstein, O.

Sortenversuch mit krebsten kartoffeln in der Niederschlesischen heide 1929 III. (schluss). Kartoffel, Zeitschr. Kartoffelbauges. 10: 221-224. illus. (map) N.1, 1930. no.21.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam)

Botjes, J. O.

De vatbaarheid van aardappelrassen ten opzichte van virusziekten. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 42: 517-528. illus. O.1930. no.509 extra.

Dorst, J. C.

Overbrenging van mozaiekziekte door beschadiging of aanraking van planten. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 42: 512-516. O.1930. no.509 extra.

Landw. Jahrb. Schweiz. (Bern)

Geering, I.

Die herkunftsbestimmung bei futtergerste. Landw. Jahrb. Schweiz. 44: 387-402. 1 pl. 1930. no.4.

Landw. Jahrb. Schweiz. (cont.)
Neuweiler, E.
Unkrautvertilgungsversuche mit natriumchlorat.
Landw. Jahrb. Schweiz. 44: 403-411. 1930. no.4.

Lanksaimn, Meneśr. (Riga)
Smarods, J.
Latvija noverotas kulturaugiem kaitigas senes.
(Die schädlichen pilze des kulturgewächse Lettlands). Lauksaimn. Meneśr. 1930: 645-673. O.
1930. no.10.

Mem. Dept. Agr, India. Bot. Ser.
Sethi, R.L. & Saxena, B. P.
Classification, and study of characters, of
the cultivated rices in the United Provinces.
Mem. Dept. Agr. India Bot. Ser. 18: 149-209.
pl. i-vi (part. col.) Ag.1930. no.6.

Nature (London)
Buller, A.H.R.
The biological significance of conjugate
nuclei in Coprinus lagopus and other Hymenomycetes.
Nature. 126: 686-689. illus. N.1, 1930. no.3183.
Substance of paper communicated to a meeting
of Fifth International Bot. Congress, Cambridge,
Ag.19,1930.

Catcheside, D. G.
Meisis in a triploid Oenothera. Nature.
126: 725. N.8,1930. no.3184.

Mosses as epiphytes. Nature. 126: 741-742.
N.8, 1930. no.3184.
Note on Wisniewski's Les associations des muscinées... epiphytes de la Pologne...

Osborn, A.
Dr. E.H. Wilson. Nature. 126: 693-694.
N.1,1930. no.3183.

New Phytol. (London)
Bancroft, H.
The arborescent habit in angiosperms. A review.
(concl.) New Phytol. 29: 227-275. illus.
O.1930. no.4.

New Phytol. (cont.)

Keeble, F., Nelson, M.G. & Snow, R.
A wound substance retarding growth in roots.
New Phytol. 29: 289-293. O.24, 1930. no.4.
Experiments with Zea mays and Pisum sativum.

Leach, W.
Note on a simple gas-circulating pump.
New Phytol. 29: 285-288. illus. O.24,1930, no.4.

Leach, W.
Note on the effect of growing mosses in a moisture-saturated atmosphere, and under conditions of darkness. New Phytol. 29: 276-284. illus. O.24, 1930. no.4.

Singh, T.C.N.
A note on the occurrence of a smut on Selaginella chrysocaulos. New Phytol. 29: 294-296. illus. O.24,1930. no.4.
Closely resembles Entyloma polysporium.

Obst- u. Gemüseb. (Berlin)

Bremer, H.
Die fettfleckenkrankheit der bohnen. Obst- u. Gemüseb. 76: 156-157. illus. O.15,1930. no.10.

Wichmann,
Ursache, Verbreitung und bekämpfung der mosaikkrankheit des spinats. Obst- u. Gemüseb. 76: 160-161. illus. O.15,1930. no.10.

Pharm. Zentralh. (Dresden)

Niethammer, A.
Ueber die mikrochemische lokalisation des phlorogluzins und seiner derivate in pflanzlichen waren und drogen. Pharm. Zentralh. 71: 673-675. O.23, 1930. no.43.

Richter, J.
Die lichtsinnesorgane der pflanzen. Pharm. Zentralh. 71: 691-695. O.30,1930. no.44.

Physis. (Buenos Aires)

Castellanos, A.

Bromeliáceas y cactáceas de los alrededores de Buenos Aires y de la Isla Martin Garcia. Physis. 10:85-98. pl. i-iii. Jl.12,1930. no.35.

Lamarck, J.B.de.

De l'espèce (Species). Physis. 10: 1-4. Jl.12,1930., no.35.

Republished in commemoration of the centenary of his death.

Pilar Rodrigo, A.del.

Nota sobre las especies del genero Sida de los alrededores de Buenos Aires. Physis. 10: 193-198. illus. Jl.12,1930. no.35.

S. spinosa, S. anomala, S. hastata, S. leprosa, S. rhombifolia.

Planter. (Kuala Lumpur)

Pinching, H. C.

Oidium" in Malaya. Its effects and the treatment. Planter (Kuala Lumpur) 11: 79-80. O. 1930. no.3.

Proc. Akad.Wetensch. Amsterdm.

Weevers, T.

Das quercetin bei den Magnoliaceae und seine verbreitung im pflanzenreiche. Proc. Akad. Wetensch. Amsterdam. 33: 778-785. 1930. no.7.

Proc. Amer. Cranberry Grow. Assoc.

Stevens, N. E.

Thickness of cuticle in cranberry varieties. Proc. Amer. Cranberry Grow. Assoc. 61: 8-9, 12-13. 1930.

Wilcox, R. B.

Identification of false blossom in the fall. Proc. Amer. Cranberry Grow. Assoc. 61: 15-16. 1930.

Proc. Ohio Acad. Sci.

Chapman, A. G.

Starch synthesis in albino portions of variegated leaves. Proc. Ohio Acad. Sci. 8: 397-398. 1930.

Abstract of paper given at the Columbus meeting, Ap. 18 and 19, 1930.

Proc. Ohio Acad. Sci. (cont.)

Meyer, B. S.

Effects of mineral salts upon the transpiration and water requirements of the cotton plant. Proc. Ohio Acad. Sci. 8: 396-397. 1930. no.7.

Abstract of paper given at the Columbus meeting, Ap.18, and 19, 1930.

Proc. Roy. Soc. Ser. B. (London)

Briggs, G. E.

The accumulation of electrolytes in plant cells -- a suggested mechanism. Proc. Roy. Soc. Ser.B. 107: 248-269. N.3, 1930. no.750.

Progr. Agr. & Vitic. (Montpellier)

Nedeltchoff, N. & Guéorguieff, I.

Sur les causes de la coulure du millerandage et de l'apyrénie chez les vignes cultivées. Progr. Agr. & Vitic. 94: 425-426. N.2,1930. no.44.

Ravaz, L.

Enquête sur le mildiou. Progr. Agr. & Vitic. 94: 417-424, 441-449. N.2,9,1930. no.44,45.

Publ. Field Mus. Nat. Hist. Bot. Ser.

Standley, P. C.

Studies of American plants. IV. Publ. Field Mus. Nat. Hist. 281 Bot. Ser. 8: 133-236. O.22, 1930. no.3.

Rev. Path. Vég. & Entom. Agr. (Paris)

Arnaud, G. & Arnaud, M.

La pourriture des fraises et les phytophthorées. Rev. Path. Vég. & Entom. Agr. 17: 349-351. pl.ix. Jl.1930 (Rec'd N.) no.7.

Barthelet, J.

Le mildiou du groseillier Plasmopara ribicola Schroet. Rev. Path. Vég. & Entom. Agr. 17: 352-355. illus., pl. x. Jl.1930 (Rec'd N.) no.7.

Ducomet, V.

Une urédinée nouvelle pour la France, Puccinia mirabilissima Peck, parasite du Mahonia aquifolium. Rev. Path. Vég. & Entom. Agr. 17: 256-261. Jl. 1930 (Rec'd N.) no.7.

Rev. Path. Vég. & Entom. Agr. (cont.)

Miege, E.
Le mouchetage des grains de blé. Rev. Path. Vég. & Entom. Agr. 17: 323-337. pl.vii-viii. Jl.1930 (Rec'd N.) no.7.

Rosella, E.
Quelques observations sur la moucheture des céréales. Rev. Path. Vég. & Entom. Agr. 17: 338-344. illus. Jl.1930(Rec'd N.) no.7.

Rosella, E.
Sur une moucheture de l'orge. Rev. Path. Vég. & Entom. Agr. 17: 345-348. illus. Jl.1930 (Rec'd N.) no.7.

Rhodora. (Boston)

Fogg, J.M. jr.
The flora of the Elizabeth Islands, Massachusetts. Pt. II. Annotated list of the vascular flora. Rhodora. 32: 226-258. N.1930. no.383.

Jackson, R. T.
An exceptionally large Onoclea sensibilis. Rhodora. 32: 225. N.1930. no.383.

Pease, A. S.
A Carex new to New England. Rhodora. 32: 258. N.1930. no.383.
C.anguillata.

Steward, A.N.
The cause for Polygonum cuspidatum Sieb. & Zucc. Rhodora. 32: 223-225. N.1930. no.383.

Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)

Golinska, J.
Dojrzewanie i wartość **różnie** dojrzalych nasion pomidorów. (Étude de la valeur des semences de Sol. lycopersicum de différants degrés de maturation) Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 24: 151-200. 1930. no.2.
French résumé: p.198-200.

Science. (Lancaster, Pa.)
Bogusch, E. R.
Measuring slide for class use. Science. 72: 506. illus. N.14, 1930. no.1872.

Bunzell, H. H.
A simple apparatus for measuring catalase activity in plant and animal tissues. Science. 72: 505-506. illus. N.14, 1930. no.1872.

Scient. Agr. (Ottawa)
Gourley, J. H.
The relation of nitrogen to the storage quality of fruit. Scient. Agr. 11: 130-136. illus. N.1930. no.3.

Gourley, J. H.
Some basic factors involved in the production of better grades of apples. Scient. Agr. 11: 123-129. N.1930. no.3.

Sci. Prod. Roy. Dublin Soc.
Atkins, W.R.G. & Fenton, E. W.
The distribution of pasture plants in relation to soil acidity and other factors. Sci. Proc. Roy. Dublin Soc. 19: 533-547. 0.1930. no.40/47.

Kennelly, V.C.E. & Grimes, M.
Paecilomyces hibernicum -- new species. Sci. Proc. Roy. Dublin Soc. 19: 513-516. pl.20-21. O. 1930. no.40/47.

Sitzungsb. Preuss. Akad. Wiss. (Berlin)
Haberlandt, G.
Das wesen der Crataegomespili. Sitzungsb. Preuss. Akad. Wiss. 1930: 374-394. illus.no.20.

South. Flor. (Fort Worth, Tex.)
Starkey, E.J.
Combating carnation rot disease. South. Flor. 30(7): 14-16. illus. N.14,1930. no.7.
Stem rot and root rot.

Succulenta. (Leeuwarden)
Duursma, G. D.
Cereus jusbertii, Reb. Succulenta. 12: 221-224. illus. N.1930. no.11.

Svensk Bot. Tidskr.

Bruun, H. G.

The cytology of the genus Primula. (A preliminary report). Svensk Bot. Tidskr. 24: 468-475. 1930. no.3.

Dahlgren, K.V.O.

Zur embryologie der saxifragoideen. Svensk Bot. Tidskr. 24: 429-448. illus. 1930. no.3.

Du Rietz, G. E.

The fundamental units of biological taxonomy. Svensk Bot. Tidskr. 24: 333-428. 1930. no.3.

Westergren, T.

Ueber den verwandtschaftskreis der Myosotis versicolor (Pers.) J.E. Sm. Svensk Bot. Tidskr. 24: 449-467. illus. 1930. no.3.

Trab. Secc. Inst. Nac. Inv. y Exp. Agronom. y Forest. Spain.

Ceballos, L. & Martin Bolaños, M.

Notas botánicas sobre algunos aspectos de la flora forestal de Cádiz. Trab. Secc. Inst. Nac. Inv. y Exp. Agronom. y Forest. Spain. 2(3): 85-94. 1929 (Rec'd N.1930).

Ceballos, L. & Martín Bolaños, M.

Notas sobre el aspecto botánico-forestal de las serranias de Ronda y Grazalema. Trab. Secc. Inst. Nac. Inv. y Exp. Agronom. y Forest. Spain. 1(1): 16-30. illus. 1928 (Rec'd N.1930)

Ceballos, L. & Martín Bolaños, M

Notas sobre flora Gaditana. Contribución al estudio de la composición botánica de los pastizales de monte. Trab. Secc. Inst. Nac. Inv. y Exp. Agronom. y Forest. Spain. 3(3): 125-142. 1930 (Rec'd N.)

Ceballos, L. & Martin Bolaños, M.

El pinsapo y el abeto de Marruecos. Trab. Secc. Inst. Nac. Inv. y Exp. Agronom. y Forest. Spain. 1(2): 47-101. illus. 1928 (Rec'd N.1930)

Abies pinsapo, A. maroccana.

Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo)
Kokhanovskaja, L.
... Studies on "ryabockha" an epidemic leafspot disease of Nicotiana rustica. Trudy Detsk. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) no.9, 10 p. illus., pl. 1930.
Russian with English summary.
Organism very similar to Pseudomonas tabaci.

Trudy Opytn. Uchrezhd. Vostochn. Sibiri.
Potapov, A.
... [The first tannin plant in field culture (badan)]. Trudy Opytn. Uchrezhd. Vostochn. Sibiri. no.5. 49 p. 8 pl. 1929 (Rec'd N.1930)
Russian. An English transl. by M. A. Peschkoff. (typewritten)
Bergenia crassifolia.

U. S. Dept. Agr. Circ.
Ramsey, G. B.
Blemishes and discolorations of market onions. U. S. Dept. Ag. Circ. 135. 4 p. illus. 1930.

U. S. Dept. Agr. Farm. Bull.
Brooks, C., Cooley, J. S. & Fisher, D. F.
Diseases of apples in storage. U. S. Dept. Agr. Farm. Bull. 1160. 19 p. illus. (Issued S.1920) Rev. O. 1930.

U. S. Dept. Agr. Plant Dis. Rep.
Anderson, P. J.
Tobacco disease survey in Connecticut. U. S. Dept. Agr. Plant Dis. Rep. 14: 219-220. N.1, 1930. no.21.
[Mimeographed]

Gaines, J. G.
Tobacco diseases in Georgia, July 1930. U. S. Dept. Agr. Plant Dis. Rep. 14: 221-222. N.1, 1930. no.21.
[Mimeographed]

Limber, D. P.
Some observations on the internal hard spot of tomato. U. S. Dept. Agr. Plant Dis. Rep. 14: 216. N.1, 1930. no.21.
[Mimeographed]

Valt. Maatalouskoet. Julkais.

Kitunen, E.

Rikkaruohojen hävittäminen kemiallisin keinoin. Selostus vuosina 1926-1929 suoritetuista kokeista. Valt. Maatalouskoet. Julkais. 1930: 1-99. no.33.

German summary: p.94-99 (Unkrautbekampfung durch chemische mittel).

Vestland, Forstl. Forsøksst. Meddel. (Bergen)

Hagem, O.

Schütteskader paa furuen (Pinus silvestris). Vestland. Forstl. Forsoksst. Meddel. no.7(v.3, no.2) 133 p. 1926. no.7.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Buhl, J.

Zweijährige variationsstatistische untersuchungen an roggensorten. Wiss. Arch. Landw. Abt. A, Pflanzenbau. 4: 295-365. O.24, 1930. no.3.

Schulz, G.

Der phytopathologische versuch in der praxis. Eine darstellung seiner grundlagen und methoden. Wiss. Arch. Landw. Abt. A Pflanzenbau. 4: 392-496. O.24, 1930. no.3.

Zeitschr. Gesamte Getreidew. (Berlin)

Strilciuc, D.

Beitrag zur mikrophotographie der getreidearten einschliesslich mais, hirse, buchweizen sowie der leguminosen. III. Gerste (Hordeum sativum L.) Zeitschr. Gesamte Getreidew. 17: 212-214. 4 pl. on 2. O.1930. no.10.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Andersson-Kottö, I.

Variegation in three species of ferns (Polystichum angulare, Lastraea atrata and Scolopendrium vulgare). Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56: 115-201. illus., pl. i-ii. 1930. no. 2.

Stubbe, H.

Untersuchungen über die experimentelle auslösung von mutationen bei Antirrhinum majus. II. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56: 201-232. illus. 1930. no.2.

Samen-u. keimlingsbehandlung mit rontgenstrahlen und chemikalien.

Der Züchter. (Berlin)

Lemmerzahl, J.

Neues vereinfachtes infektionsverfahren zur prüfung von kartoffelsorten auf krebsfestigkeit. Der Zuchter. 2: 288-297. illus. O.1930. no.10.

Müller, L.

Ueber sojabohnenzüchtung. Der Züchter. 2: 277-288. illus. O.1930. no.10.

Exper. Stat. Publ.

Kelley, V. W.

Effect of certain hydrocarbon oils on the transpiration rate of some deciduous tree fruits. Illinois Agr. Exp. Stat. Bull. 353: 581-600. Ag.1930. (Rec'd N.)

Koehler, B. & Holbert, J. R.

Corn diseases in Illinois. Illinois Agr. Exp. Stat. Bull. 354. 164 p. illus., v.col.pl. S.1930 (Rec'd N.)

Addoms, R. M., Nightingale, G. T. & Blake, M. A.

Development and ripening of peaches as correlated with physical characteristics, chemical composition, and histological structure of the fruit flesh: II. Histology and microchemistry. New Jersey Agr. Exp. Stat. Bull. 507. 16 p. pl.i-ii. S.1930.

New Books.

Ames, O. & Schweinfurth, C.

New or noteworthy orchids. Boston, Lawrence Press, 1930 (Ames's Schedulae orchidianae, no.10)

Crevost, Ch.

Catalogue des produits de l'Indochine. v.4, Exsudats végétaux - stick-lac. Hanoi, Gouvernement général de l'Indochine, 1926 (cover title 1927)

Houghton, A. D.

The cactus book. New York, Macmillan Co., 1930.

Keller, B.

Die methoden zur erforschung der ökologie der steppen- und wustenpflanzen. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt. XI, teil 6, h.1. (lfg.335) p.1-128. illus., 2 fold.tab. 1930.

New Books. (cont.)

Kew. Royal Gardens.
... Illustrated guide, 1928. London, H.M. stationary office, [1928]

Kind, W., and others.
Der flachs. 1. abt. Berlin, J. Springer, 1930. (Technologie der textilfasern hrsg. von R.O. Herzog, 5 bd., 1 teil).
Botanik, kultur, aufbereitung, bleicherei und wirtschaft des flachses mit einer einführung in den feinbau der zellulosefasern.

Knapp, E.
Untersuchungen über die hüllorgane um archegonien und sporogonien der akrogynen jungermaniaceen. Jena, G. Fischer, 1930 (Botanische abhandlungen hrsg. von K. Goebel hft.16)

Krylov, P. N.
Die abgrenzung von steppen- und waldsteppenzonen auf floristisch-statistischer grundlage.
In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt.XI, teil 6, h.l. (lfg.335) p.129-136. 1 fold. tab. 1930.
Transl. from Russian by S. Ruoff.

Kuster, E.
Anatomie der gallen. Berlin Gebruder Borntraeger, 1930 (Handbuch der pflanzenanatomie... hrsg. von K. Linsbauer, 1 abt., 3 teil, Experimentelle anatomie, bd.v)

Macdougal, D. T.
The green leaf; the major activities of plants in sunlight. New York, D. Appleton & Co., 1930.

McIntosh, A. C.
Botanical features of the northern Black Hills. [Rapid City, S.Dak]. 1930.
Reprinted from The Black Hills Engineer, v.18, no.1. Ja.1930.

Nonnenmacher, E.
Die jute, 1. abt. Berlin, J. Springer, 1930 (Technologie der textilfasern hrsg. von R. O. Herzog, 5.bd., 3 teil)
Pflanzen und fasergewinnung handel und wirtschaft spinnerei.

New Books (cont.)

Pflanzenareale... hrsg. von E. Hannig & H. Winkler. 2. reihe, heft 8 & Sammelheft für nachträge und verbesserungen. Jena, G. Fischer, 1930.
r.2, h.8, Sirjaev, G. Trigonella.

Ramensky, L. G.
Die projektionsaufnahme und beschreibung der pflanzendecke. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. Abt.XI, teil 6, h.1. (lfg. 335) p.137-190 illus. 1930.
Transl. from Russian by S. Rouff.

Rhododendron society.
The species of Rhododendron. Edinburgh, University press, 1930.
Edited by J. B. Stevenson.

Ridley, H. N.
The dispersal of plants throughout the world. Ashford, Kent, L. Reeve & Co., 1930.

Schmidt, A.
Atlas der diatomaceenkunde. Hrsg. von Dr. F. Hustedt, h.93, pl.369-372. Leipzig, O.R.Reisland, Ag.1930.

Non-current indexing.

Actes Soc. Linn. Bordeaux.

Chaine, J.
Eloge de J.F. Laterrade. Actes Soc. Linn. Bordeaux. 80: 77-93. port. 1928.

Dieuzeide, R.
Contribution a l'étude des néoplasmes végétaux, le role des pucerons en phytopathologie. Actes Soc. Linn. Bordeaux. 81:5-241. illus. 1929.

Jeanjean, A. F.
Les "Ornithopus" hybrides de la Gironde. Actes Soc. Linn. Bordeaux. 80: 99-106. 1928.

Journ. Amer. Chem. Soc.

Dickson, A.D., Otterson, H. & Link, K.P.
A method for the determination of uronic acids. 52: 775-779. F.1930. no.2.

Proc. Soc. Exp. Biol. & Med. (N.Y.)
Olitsky, P. K. & Hoffman, D. C.
The electric charge of mosaic particles.
Proc. Soc. Exp. Biol. & Med. 27: 378-379. F.1930.
no. 5.

Non-current indexing. (cont.)

Trudy Anapsk. Opytn. Stan. (Trav. Scient. Stat. Vitic. & Oenol. Anapa)
Merzhanian, A. S.
... Sur la coulure de la vigne. Trudy Anapsk. Opytn. Stan. (Trav. Scient. Stat. Vitic. & Oenol. Anapa) 5: 5-44. illus., col.pl. 1929.
Russian with French summary.

Trudy Geobot. Obsled. Pastb. Narkomz. S.S.R. Azerbaid. (Baku)
Grossheim, A.A. & Dolukhanov, A.G.
...A sketch of the vegetation of the summer pastures in the Gandja district. Trudy Geobot. Obsled. Pastb. Nakomz. S.S.R. Azerbaid. no.2. 115 p. vii pl., map. 1929.
Russian with English summary.

Grossheim, A. A. & Jaroshenko, P.D.
... A geo-botanical sketch of the summer pastures in the Nuha district. Trudy Geobot. Obsled. Pastb. Narkomz. S.S.R. Azerbaid. no.1. 84 p. illus., 1929.
Russian with English summary.

Trudy Samarsk. Sel.-Khoz. Inst. (Works Samara Agr. Inst.)
Giliarovsky, J.
... Diseases of cultivated and wild useful plants in the district of Samara in 1926. Trudy Samarsk. Sel.-Khoz. Inst. (Works Samara Agr. Inst.) 4: 351-396. 1927.
Russian with English summary.

Weekbl. Bloembollencult. (Haarlem)
Slogteren, E.van.
Peofnemingen ter bestrijding van het geelziek in het seizoen 1928/29. Weekbl. Bloembollencult. 40: 149-150. Ag.1930. no.18.
Reprinted as Meded. Lab. Bloembollenonderz. Lisse. no. 31.

2e copy

DEC 22 1930

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol.12, no.25. Nov.24-Dec.6, 1930.

Administr. Rep. Dir. Agr. British Guiana.
Botanical and mycological investigations. Administr. Rep. Dir. Agr. British Guiana. 1929:17-18. 1930.

Agr. Journ. Fiji.
Barnes, A. C.
Noxious weeds and their control in Fiji. I- Agr. Journ. Fiji 3: 112-121. 1930. no.3.

Agr. Journ. India. (Calcutta)
Khan, A. R.
A new type of roselle hemp. Agr. Journ. India 23: 210-212. pl.v-vii. My.1930 (Rec'd N.1930). no.3.
Hibiscus sabdariffa var. altissima.

Mahta, D. N., & Dave, B. B.
A short survey of grassland problems in the Central Provinces. Agr. Journ. India 23: 220-223. pl.viii-xiii. My.1930(Rec'd N.1930) no.3.

Venkataramanan, S. N.
The characters of the cotton boll in relation to its flowering period and position on the plant. Agr. Journ. India 23: 189-205. illus. My.1930 (Rec'd N.1930). no.3.
Paper read at Indian Science Congress, Madras, Ja.1929.

Agr. Prat. Pays Chauds (Paris)
Constantin, J.
L'organisation de la mycologie dans les Colonies Asiatiques de l'Empire Britannique en 1930. Agr. Prat. Pays Chauds (Paris) n.s., 1: 323-330. N.1930. no.5.

Amer. Journ. Bot.

Hein, I.

Studies on morphogenesis in Agaricus (Psalliota) campestris. Amer. Journ. Bot. 17: 882-915. pl. lii-lv. N.1930. no.9.

Karling, J. S.

A preliminary descriptive study of a parasitic monad in cells of American Characeae. Amer. Journ. Bot. 17: 928-937. pl.lvi-lviii. N.1930. no.9.

Diplophysalis stagnalis.

Koch, M. F.

Studies in the anatomy and morphology of the composite flower. I. The corolla. Amer. Journ. Bot. 17: 938-952. illus., pl.lix-lx. No.1930. no.9.

Smith, F. H.

The corm and contractile roots of Brodiaea lactea. Amer. Journ. Bot. 17: 916-927. illus. No.1930. no.9.

Stevens, F. L.

The response to ultra-violet irradiation shown by various races of Glomerella cingulata. Amer. Journ. Bot. 17: 870-881. illus. N.1930. no.9.

Woodworth, R. H.

Meiosis of microsporogenesis in the Juglandaceae. Amer. Journ. Bot. 17: 863-869. pl.l-li. N.1930. no.9.

Angew. Bot. (Berlin)

Fischer, H.

Beitrage zur frage der kohlenstoff-ernährung der kulturpflanzen. Angew. Bot. 12: 418-423. S./O.1930. no.5.

Hiltner, E.

Ueber die beizwirkung von trockenbeizmitteln während der lagerung gebeizten getreides (lagerbeizwirkung). Angew. Bot. 12: 352-361. S./O. 1930. no.5.

Kesselor, E. v.

Der pollen von Solanum tuberosum L., seine keimfähigkeit und das wachstum der pollenschläuche. Angew. Bot. 12: 362-418. illus. S./O.1930. no.5.

Angew. Bot. (cont.)

Koenig, P.
Neue verfahren zur herstellung von pflanzenpräparaten für krankheitsforschung und züchtung. Angew. Bot. 12: 348-351. S./0/1930. no.5.

Schwarz, O., & Tomaszewski, W.
Zur okologie und phytopathologie des grassaatbaus. (Zugleich ein bericht über die ursachen der weissährigkeitsfalle im Randowbruch). Angew. Bot. 12: 423-442. illus. S./0.1930. no.5.

Ann. Appl. Biol. (London)

Brown, A. B.
Observations on leaf fall in the Douglas fir when infected with Rhabdocline pseudotsugae Sydow. Ann. Appl. Biol. 17: 745-754. pl. xlviii. N. 1930. no.4.

Reichert, I.
A new strain of Tilletia tritici in Palestine. Ann. Appl. Biol. 17: 720-724. N .1930. no.4.

Storey, H. H., & McClean, A. P. D.
The transmission of streak disease between maize, sugar cane and wild grasses. Ann. Appl. Biol. 17: 691-719. pl.xl-xliii. N .1390. no.4.

White, H. L.
Carbon dioxide in relation to glasshouse crops. Pt.V. An analysis of the response of the tomato crop to an atmosphere enriched with carbon dioxide. Ann. Appl. Biol. 17: 755-766. illus. N.1930. no.4.

Wormald, H.
Bacterial diseases of stone-fruit trees in Britain. II. Bacterial shoot wilt of plum trees. Ann. Appl. Biol. 17: 725-744. pl.xliv-xlvii. N .1930. no.4.

Ann. Sci. Agron. (Paris)

Lagatu, H., & Maume, L.
Le diagnostic foliaire de la pomme de terre. Ann. Sci. Agron. 47: 595-653. 4 pl. on 2. S./0.1930. no.5.

Arch. Mikrobiol. (Berlin)

Behr, G.

Ueber autolyse bei Aspergillus niger. Arch. Mikrobiol. 1:418-444. S.12,1930. no.3.

Engel, H.

Die oxydationsleistung der einzelzelle von Nitrosomonas europaea Winogradsky. Arch. Mikrobiol. 1:445-463. S.12,1930. no.3.

Scharrer, K., & Claus, G.

Der einfluss des jodes auf die kohlensäureproduktion gärender hefe. Arch. Mikrobiol. 1: 343-364. S.12,1930. no.3.

Ark. Bot. (Stockholm)

Ekman, E. L.

A list of plants from the Island of Gonave, Haiti. Ark. Bot. v.23, no.6. 73 p. 1930. no.2.

Urban, I.

Plantae haitienses et domingenses novae vel rariores VIII. a cl. E. L. Ekman 1924-1928 lectae. v.23, no.5. 107 p. 5 pl. 1930. no.2.

Ber. Deut. Bot. Ges. (Berlin)

Bunning, E., & Stern, K.

Ueber die tagesperiodischen bewegungen der primarblatter von Phaseolus multiflorus. II. Die bewegungen bei thermonstanz. Ber. Deut. Bot. Des. 48: 227-252. illus. 0.30,1930. no.7.

Christiansen, W.

Florenkontrast und florengefälle in und um Schleswig-Holstein. Ber. Deut. Bot. Ges. 48: 276-285. illus. 0.30,1930. no.7.

Dahm, P.

Die abhängigkeit der nährsalzaufnahme von der reaktion des substrates. Ber. Deut. Bot. Des. 48: 312-316. 0.30,1930. no.7.

Dracinschi, M.

Ueber das reife spermium der Filicales und von Pilularia globulifera L. Ber. Deut. Bot. Ges. 48: 295-311. pl.iv. 0.30,1930. no.7.

Ber. Deut. Bot. Ges. (contd.)

Modilewski, J.
Neue beitrage zur polyembryonie von Allium odorum. Ber. Deut. Bot. Ges. 48: 285-294. O.30,1930. no.7.

Rasdorsky, W.
Die lehre von den biegungsfedern im dienste der pflanzenbaumechanik. Ber. Deut. Bot. Ges. 48: 253-275. illus. O.30,1930. no.7.

Rimbach, A.
Lebensweise von Calydorea nuda. Ber. Deut. Bot. Ges. 48: 317-320. O.30,1930. no.7.

Blumen u. Pflanzenb.

Baudys, E.
Braunwerden der pelargonienblätter und - blüten. Blumen u. Pflanzenb. 45: 176-178. illus. N.1, 1930. no.11.
Botrytis cinerea.

Bol. R. Soc. Españ. Hist. Nat. (Madrid)

Alonso, J.
Datos sobre los enemigos de las plantas cultivadas en Galicia. Bol. R. Soc. Españ. Hist. Nat. 30: 217-222. Je.1,1930. no.4.

Bustinza, F.
Contribución al estudio de la distribución de la catalasa en las plantas. Bol. R. Soc. Españ. Hist. Nat. 30: 161-164. Mr.15,1930. no.3.

Crespi, L.
Notas liquenlógicas. I. El género Rhizocarpon en Espana. Bol. R. Soc. Españ. Hist. Nat. 30: 261-269. Je.25,1930. no.5.

González Guerrero, P.
Algas del rio Zujar (Badajoz). Bol. R. Soc. Españ. Hist. Nat. 30: 223-227. illus. Je.1,1930. no.4.

Martínez, J. B.
Algunos datos acerca de hongos que viven sobre matriz vegetal y principalmente leñosa. Bol. R. Soc. Espan. Hist. Nat. 30: 232-327. Jl.20,1930. no.6.

Bol. R. Soc. Españ. Hist. Nat. (cont.)

Miranda, F.

Las comunicaciones interprotoplásmicas en Bornetia secundiflora (J. Ag.) Thuret. Bol. R. Soc. Españ. Hist. Nat. 30: 201-204. illus. Je.1, 1930. no.4.

Unamuno, L. M.

Hongos microscópicos de San Román de los Caballeros (León). Bol. R. Soc. Españ. Hist. Nat. 30: 207-215. Je.1,1930. no.4.

Unamuno, L. M.

Nueva aportación a la micologia española. Bol. R. Soc. Españ. Hist. Nat. 30: 287-301. Jl.20,1930. no.6.

Unamuno, L. M.

Nueva aportación al estudio de la flora micológica del Concejo de Llanes (Asturias). Bol. R. Soc. Españ. Hist. Nat. 30: 179-187. Mr.15,1930. no.3.

Vidal y López, M.

Materiales para la flora Marroqui VIII. Más plantas de la cabila de Beni Hassán. Bol. R. Soc. Españ. Hist. Nat. 30: 159. Mr.15,1930. no.3.

Boll. Soc. Nat. Napoli.

Fiore, M.

Di un nuovo ascomicete Ochraceospora cavarae n.g. n.s.p., causa di marciume radicale e del fusto in piante di Alocasia odora C. Koch. Boll. Soc. Nat. Napoli 41: 81-96. pl.4-6. My.10,1930.

Fiore, M.

Peli al posto di squame in Polypodium perforatum L. Boll. Soc. Nat. Napoli 41: 78-80. My. 10,1930.

Zirpolo, G.

Studi sulla bioluminescenza batterica. 9. Azione delle basse temperature. Boll. Soc. Nat. Napoli 41: 137-151. My.10,1930.

Bot. Gaz. (Chicago)

Ball, O. M.

A partial revision of fossil forms of Artocarpus. Bot. Gaz. 90: 312-325. illus. N.1930. no.3.

Buchholz, J. T.

The Ozark white cedar. Bot. Gaz. 90: 326-332. illus. N.1930. no. 3.

Junierpus ashei.

Gates, F. C.

Aspen association in northern lower Michigan. Bot. Gaz. 90: 233-259. illus. N.1930. no.3.

Satina, S., & Blakeslee, A. F.

Imperfect sexual reactions in homothallic and heterothallic mucors. Bot. Gaz. 90: 299-311. illus. N.1930. no.3.

Schaffner, J. H.

Sex reversal and the experimental production of neutral tassels in Zea mays. Bot. Gaz. 90: 279-298. illus. N.1930. no.3.

Swingle, C. F.

Oxyquinoline sulphate as a preservative for plant tissues. Bot. Gaz. 90: 333-334. N.1930. no.3.

Wylie, R. B.

Cicatrization of foliage leaves. I. Wound responses of certain mesophytic leaves. Bot. Gaz. 90: 260-278. illus. N.1930. no.3.

Brooklyn Bot. Gard. Leafl.

Benedict, R. C.

Cabbages in the classroom. Brooklyn Bot. Gard. Leafl. v.18, no. 7/8, 8 p. illus. O.1930.

Brooklyn Bot. Gard. Rec.

Reed, G. M.

Report on a trip to Japan and to the northwestern United States. Brooklyn Bot. Gard. Rec. 19: 257-268. illus. N.1930. no.6.

Main purpose of trip to study Japanese iris.

Brooklyn Bot. Gard. Rec. (cont.)

Svenson, H. K.

Report on a botanical exploration trip to the Galapagos Islands. Brooklyn Bot. Gard. Rec. 19: 269-284. illus. N.1930. no.6.

Bull. Agence Gén. Colon. France (Paris)

Heim de Balsac, F., Labbé, H., & Heim de Balsac, H.

Un hélichryse odoriférant de Madagascar, essai d'exploitation de son essence. Bull. Agence Gén. Colon. France 23: 964-977. v.pl. N.1930. no.261.

H. benthami.

Bull. Min. Agr. Gt. Brit.

Great Britain Ministry Agriculture & Fisheries

Fruit production: soft fruits and nuts. Bull. Min. Agr. Gt. Brit. 4. 69 p. 20 pl. on 10. 1930.

Brief section on diseases under each fruit.

Great Britain Ministry Agriculture & Fisheries

Fruit production: tree fruits. Bull. Min. Agr. Gt. Brit. 2. 110 p. illus., 23 pl. on 13. 1930.

Bull. Serv. Techn. Dep. Agr. & Enseign. Prof. Haiti.

Forbes, R. H., & Barker, H. D.

L'amelioration du coton Haitien par la selection. Bull. Serv. Techn. Dep. Agr. & Enseign. Prof. Haiti 16. 40 p. 4 pl. Mr.1930 (Rec'd D.)

Canad. Journ. Res. (Ottawa)

Newton, R., & Martin, W. M.

Physico-chemical studies on the nature of drought resistance in crop plants. (cont.) Canad. Journ. Res. 3: 385-427. pl.i-iv. N.1930. no.5.

Peto, F. H.

Cytological studies in the genus Agropyron. Canad. Journ. Res. 3: 428-448. illus., pl.i-ii. N.1930. no.5.

Compt. Rend. Acad. Agr. France (Paris)

Paillot, A.

Les traitements insecticides et anticryptogamiques des noyers. Compt. Rend. Acad. Agr. France 16: 885-889. N.5,1930. no.26.

Compt. Rend. Acad. Sci. Paris.

Ionesco, S.

Sur la préscence des tanoides chez les fleurs. Compt. Rend. Acad. Sci. Paris 191: 867-868. N.10,1930. no.10.

Joyet-Lavergne, Ph.

Sur les rapports entre le rH intracellulaire et la sexualisation cytoplasmique des spores de prèles. Compt. Rend. Acad. Sci. Paris 191: 865-866. N.10,1930. no.19.

Equisetum arvense.

Lami, R.

Libération de l'iode des ioduques de Bonnemaisonia asparagoides sous l'action des rayons ultraviolets. Compt. Rend. Acad. Sci. Paris 191: 863-865. N.10,1930. no.19.

Lesage, P.

Croissance du Lepidium sativum cultivé à des latitudes différentes en 1930. Compt. Rend. Acad. Sci. Paris 191: 861-863. illus. N.10, 1930. no.19.

Compt. Rend. Soc. Biol. Paris.

Cornet, P.

Action des vapeurs d'éther sur les plastes cellulaires. Compt. Rend. Soc. Biol. Paris 105: 387-389. N.14,1930. no.30.

Cornet, P.

Action des vapeurs de chloroforme sur la structure cellulaire dans les feuilles de Linaria cymbalaria. Compt. Rend. Soc. Biol. Paris 105: 389-390. N.14,1930. no.30.

Ioannidès, Z. M.

Le pigment phototoxique de l'Hypericum crispum. Compt. Rend. Soc. Biol. Paris 105: 349-351. N.14, 1930. no.30.

Contr. Biol. Lab. Sci. Soc. China.

Cheng, W.

A study of Chinese pines. Contr. Biol. Lab. Sci. Soc. China. v.6, no.2. 21 p. Mr.1,1930. (Rec'd N.)

Contr. Biol. Lab. Sci. Soc. China. (cont.)

Tai, F. L.

A new species of Uncinula on Acer trifidum Hook. & Arn. Contr. Biol. Lab. Sci. Soc. China v.6, no.1. 4 p. incl. 1 pl. Ja.1,1930 (Rec'd N.)

U. nankinensis, similar in some respects to U. circinata.

Deut. Landw. Presse (Berlin)

Bienko, F.

Ein versuch über wirksamkeit von trockenbeizmitteln gegen haferflugbrand. Deut. Landw. Presse 57: 630. N.15,1930. no.46.

Fortschr. Landw. (Vienna)

Eperjessy, G.

Untersuchungen uber die wurzelausbildung auf alkalischem und saurem boden gezüchteter weizensorten. Fortschr. Landw. 5: 748-751. Nov.15, 1930. no.22.

Gard. Chron. (London)

Boothman, H. S.

Gaultherias. Gard. Chron. III, 88: 411-412. N.15,1930. no.2290.

Grove, A.

The diseases of lilies. Gard. Chron. III, 88: 408-409. illus. N.15,1930. no.2290.

Botrytis and mosaic.

Grove, A.

Viburnum carlesii. Gard. Chron. III, 88: 434-345. N.22,1930. no.2291.

Preston, I.

Syringa prestoniae (S. villosa x S. reflexa) Gard. Chron. III, 88: 429. illus. N.22,1930, no.2291.

Stearn, W. T.

Unnecessary changes in nomenclature. A criticism of Dr. Abrams' "Flora of the Pacific States". Gard. Chron. III, 88: 410. N.15, 1930. no.2290.

Gard. Chron. (cont.)

Ward, F. K.
The Roosevelt expedition in French Indo-China. III. Burma. Gard. Chron. III, 88: 430-431. illus. N.22,1930. no.2291.

Williams, A. H.
Tomato sweet primrose gage. Gard. Chron. III, 88: 436. illus. N.22,1930. no.2291.

Wilson, M.
The Phomopsis disease of cedars. Gard. Chron. III, 88: 412-413. illus. N.15,1930. no. 2290.

Yashiroda, K.
Japanese irises. Gard. Chron. III, 88: 409-410. illus. N.15,1930. no.2290.

Gartenfl. (Berlin)

Liebsch, G.
Merkwürdige und schöne blattorgane. XIII. Pfeilwurzgewächse (Marantaceen). Gartenfl. 79: 345-346. 1 pl. N.1930.

Milbraed, J.
Die lebensweise tropischer "überpflanzen". Gartenfl. 79: 351-353. illus. N.1930.

Gartenw. (Berlin)

Fischer, R.
Fusskrankheit der sommerastern. Gartenw. 34: 636-637. illus. N.14,1930. no.46.

Harms, H.
Adolf Engler zum gedächtnis. Gartenw. 34: 644. port. N.14,1930. no.46.

Laubert, R.
Blattfleckenfrankheit der akelei. Gartenw. 34: 621. illus. N.7,1930. no.45.
Ascochyta aquilegiae on Aquilegia vulgaris.

Gentes herbarum.

Bailey, L. H.

Gentes herbarum 2: 159-206. illus. O.8,1930. no.4.

Various botanical and horticultural problems. - Several arrangements of names necessitated by recent studies. - Three discussions in Cucurbitaceae - Binomials of certain palms. - South American novelties.

Hadar (Palestine Citrogr.) (Jaffa)

Reichert, I., & Hellinger, E.

Internal decline -- a physiological disease of citrus fruits new to Palestine. Hadar (Palestine Citrogr.) 3: 220-224. illus. O.1930. no.10.

Disease found on citrus, grapefruit and rarely on oranges.

"Silver blemish". Hadar (Palestine Citrogr.) 3: 229-230. O.1930. no.10.

Due to external causes mostly mechanical, as winds, etc.

Journ. Amer. Pharm. Assoc. (Easton, Pa.)

Lehman, A. J., & Lynn, E. V.

The leaf oils of Washington conifers III. Pinus monticola. Journ. Amer. Pharm. Assoc. 19: 1185-1187. N.1930. no.11.

Journ. Bacteriol.

Morrison, E. W., & Rettger, L. F.

Bacterial spores. Journ. Bacteriol. 20: 299-311, 313-342. N.1930. no.5.

I. A study in heat resistance and dormancy. II. A study of bacterial spore germination in relation to environment.

Journ. Bot. (London)

Lyle, L.

Algae of the Suez Canal. Journ. Bot. 68: 327-333. N.1930. no.815.

Riddelsdell, H. J.

Rubus records. (cont.) Journ. Bot. 68: 334-341. N.1930. no.815.

Stearn, W. T.

A new Allium from China. Journ. Bot. 68: 342-343. N.1930. no.815.

A. farreri.

Journ. Bot. (cont.)

Taylor, G.
The genera Chalazocarpus and Schumanniophyton. Journ. Bot. 68: 341-342. N.1930. no.815.
S. umbraticola n.sp.

Wolley-Dod, A. H.
A revision of the British roses. Journ. Bot. v.68 suppl. p.1-8, N.1930. no.815.

Journ. Cactus & Succ. Soc. Amer.

Britton, N. L.
Note on Consolea corallicola, Small. Journ. Cactus & Succ. Soc. Amer. 2: 347-348. illus. N. 1930. no.5.

Brown, N. E.
Mesembs. Journ. Cactus & Succ. Soc. Amer. 2: 343-346, illus. N.1930. no.5.

Manning, J.
The cactacean's primer. Journ. Cactus & Succ. Soc. Amer. 2: 349-352. illus. N.1930. no.5.

Walther, E.
A.x hertrichii, new hybrid. Journ. Cactus & Succ. Soc. Amer. 2: 353-354. illus. N.1930. no.5.
Aloe x hertrichii.

West, J.
The genus Rosularia. Journ. Cactus & Succ. Soc. Amer. 2: 356-357. illus. N.1930.

Journ. Dept. Agr. West. Austral. (Perth)

Elliot, H. G.
Agricultural seeds and their weed seed impurities. Journ. Dept. Agr. West. Austral. 7: 491-494. S.1930. no.3.

Gardner, C. A.
The double gee (Emex australis, Steinh.) Journ. Dept. Agr. West. Austral. 7:504-506. illus. S.1930. no.3.

Journ. Dept. Agr. West. Austral. (cont.)

Pittman, H. A.
An outbreak of "downy mildew" (so-called "blue mould") of tobacco in Western Australia. Journ. Dept. Agr. West. Austral. 7: 469-476. illus. S.1930. no.3.

Journ. Indian Bot. Soc. (Madras)

Blatter, E.
Plantae novae waziristanenses collectae a Josepho Fernandez. Journ. Indian Bot. Soc. 9: 199-207. O.1930. no.4.

Kashyap, S. R.
Some abnormal cones Equisetum debile. Journ. Indian Bot. Soc. 9: 240-241. 1 pl. O.1930. no.4.

Kashyap, S. R.
Some peculiar cones and microsporophylls of Cycas circinalis. Journ. Indian Bot. Soc. 9: 187-189. iv pl. O.1930. no.4.

Kashyap, S. R.
Stellera chamaejasme Linn. Journ. Indian Bot. Soc. 9: 208-210. ii pl. O.1930. no.4.

Malhotra, R. C.
A new method of germination and the influence of hydrogen ion concentration on the germination and growth of Helianthus annuus and Lycopersicum esculentum. Journ. Indian Bot. Soc. 9: 218-239. illus. ii pl. O.1930. no.4.

Mitter, J. H., & Tandon, R. N.
A disease of Solanum melongena in Allahabad. Journ. Indian Bot. Soc. 9: 242. O.1930. no.4.
No fungus nor bacteria found.

Mitter, J. H., & Tandon, R. N.
The fungus flora of Allahabad. II. Journ. Indian Bot. Soc. 9: 190-198. O.1930. no.4.

Mitter, J. H., & Tandon, R. N.
A note on Sclerospora graminicola (Sacc.)Schroet. in Allahabad. Journ. Indian Bot. Soc. 9: 243. O.1930. no.4.

Journ. Indian Bot. Soc. (cont.)

Mundkur, B.B.

Bacteriophage and its possible relations to the control of plant parasites. Journ. Indian Bot. Soc. 9:211-217. O.1930. no.4.

A resume of recent work.

Singh, T.C.N.

Notes on the teratology of certain Indian plants V- Journ. Indian Bot. Soc. 9:248-252. ii pl. O.1930. no.4.

Sinha, B.N.

On a peculiar abnormality of capitula in Tegetes erecta L. Journ. Indian Bot. Soc. 9:244-247. illus., ii pl. O.1930. no.4.

Pt.IV. of Notes on the teratology of certain Indian plants.

Sutara, R.N.

Microsporogenesis in Raphanus sativus L. (The Indian radish). Journ. Indian Bot. Soc. 9:253-256. iii pl. O.1930. no.4.

Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) (Budapest)

Bodnár, J. & Bernauer, K.

Az acetaldehid átalakulása magasabbrendű növényekben. (Die umwandlung des acetaldehyde in höheren pflanzen.) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 33:123-132. Ap./Je.1930. no.2.

Hungarian with German summary: p.132.

Bodnár, J. & Terényi, A.

A gabonafélék üszögbetegségeinek biokémiája. (Biochemie der brandkrankheiten der getreidearten.) II. Untersuchungen über die kupferadsorption der weizensteinbrandsporen. Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 33:132-154. Ap./Je.1930. no.2.

Hungarian with German summary: p.153-154.

Gulyás, A.

A dohánylevél barnafoltosságát okozó gomba ökologiája. (Ökologie der braunflecken verursachenden pilze der tabakblättern.) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 33:279-302. illus. Ap./Je.1930. no.2.

Hungarian with German résumé: p.302.

Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) (cont.)
Oláh, L.
A lucernavirág termékenyülési viszonyainak vizsgálatáról. (Untersuchungen über die befruchtung der luzernenblute). Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 33:233-245. illus. Ap./Je.1930. no.2.
Hungarian with German résumé: p.244-245.

Kranke Pflanze. (Dresden)
Esmarch, F.
Woher kommt die rissigkeit der hirnen und apfel? Kranke Pflanze 7:141-144. 1 pl. O.1930. no.10.

Landw. Versuchsst. (Berlin)
Haselhoff, E., Haun, Fr. & Elbert, W.
Versuche über die nährstoffaufnahme der pflanzen. Landw. Versuchsst. 111:11-62. 1930. no.1/2.

Matières Grass. (Paris)
Pieraerts, J., Castagne, E. & Adriaens, L.
Contribution à l'étude chimique des légumineuses oléagineuses du Congo belge. Les pois corail ou Adenanthera pavonina. (cont.) Matières Grass 22:9003-9004. N.15,1930. no.271.

Materialy... Mikol. Lab. Fitop. Otd. Inst. Zashch. Rast. Akad. Sel.-Khoz. Nauk. V. L. Lenina.
Vanin, S. I.
... Methods of investigating fungus diseases of woods and trees). Materially...Mikol. Lab. Fitopat. Otd. Inst. Zashch. Rast. Akad. Sel.-Khoz. Nauk. V.I. Lenina. no.3. 48 p. illus. 1930.
Russian.

Monatssch. Deut. Kakteen-Ges. (Berlin)
Bödeker, F.
Corphantha zilziana. Monatsschr. Deut. Kakteen-Ges. 2:233-235. illus. N.1930. no.2.

Tischer, A.
Schöne mesembrianthemen und ihre kultur. Monatsschr. Deut. Kakteen-Ges. 2:245-248. N.1930. no.2.

Werdermann, E.
Mamillaria microhelia. Werd. n. sp. Monatsschr. Deut. Kakteen-Ges. 2:236-238. illus. N.1930. no.2.

Nature. (London)

Collins, J.L., Hollingshead, L. & Avery, P.
Autosyndesis among Crepis setosa chromosomes. Nature 126:759-760. N.15,1930. no.3185.

Rendle, A. B.
Prof. Adolf Engler. Nature 126:814-815. N.22,1930. no.3186.

Nature Mag. (Washington,D.C.)

Tharp, B.C.
Where the flower legions parade. From spring to spring, they are on the march in Texas. Nature Mag. 16:347-350,389-390. illus. D.1930. no.6.

Naturforsch. (Berlin)

Baur, K
Iris sibirica, ein "pontischer hygrophyt". Naturforsch. 7:305-306. N.1930. no.8.

Linstow, Otto v.
Beitrag zur wanderung von Senecio vernalis in Deutschland. Naturforsch. 7:284-294. illus. (map) N.1930. no.8.

New Jersey Agr. (New Brunswick)

Haenseler, C.M.
Anthracnose of raspberries and dewberries. New Jersey Agr. 12(12):14-15. illus. D.1930. no.12.

Northwest Fruit Grower. (Wenatchee)

Fisher, D. F. & Reeves, E. L.
Further observations on the rot of apples caused by Gloeosporium perennans and its control. Northwest Fruit Grower 2(34):7,22. Jl.1930(Rec'd Dec.)

Reeves, E. L.
Perennial canker. Northwest Fruit Grower 2(31):6. Ap.1930(Rec'd Dec.)

Prog. Agr. & Vitic. (Montpellier)

Ravaz, L.
Enquête sur le mildiou. (cont.) Progr. Agr. & Vitic. 94:489-491. N.23,1930. no.47.

Protoplasma (Leipzig)

Abele, K.
Untersuchungen über die nukleolen. Protoplasma 10:550-567. illus. Ag.1930. no.4.

Protoplasma (cont.)

Brooks, M.M.

The pH and the rH of the sap of Valonia and the rH of its protoplasm. Protoplasma 10:505-509. Ag.1930. no.4.

Bünning, E.

Die reizbewegungen der stubblätter von Sparmannia africana. Protoplasma 11:49-84. illus. S.1930. no.1.

Gutstein, M.

Bemerkungen zu der arbeit "Die epithelzellmembran und ihre veränderungen" von O. B. Lepeschinskaja. Protoplasma 11:157. S.1930. no.1.

Keil, R.

Über systolische und diastolische veränderungen der vakuole in den zellen höherer pflanzen. Protoplasma 10:568-597. illus. Ag.1930. no.4.

Pekarek, J.

Absolute viskositätsmessung mit hilfe der Brownschen molekularbewegung. Protoplasma 10:510-532. illus. Ag. 1930; 11: 19-48. illus. S.1930. no.4, 1.

I. Prinzip der methode, voraussetzungen, fehlerquellen der messungen. II. Viskositätsbestimmung des zellsaftes der epidermiszellen von Allium cepa und des amoeben-protoplasmas.

Pfeiffer, H.

Kleine beiträge zur bestimmung des IEP von protoplasten. I. Mikro-refraktomertrische untersuchungen an kugelförmigen pflanzenzellen. Protoplasma 11:85-96. S.1930. no.1.

Weber, F.

Permeabilität der stomata-zellen. Protoplasma 10:608-612. illus. Ag.1930. no.4.

Weber, F.

Vakuolenkontraktion und protoplasmaentmischung in blütenblattzellen. Protoplasma 10:598-607. illus. Ag.1930. no.4.

Repert. Spec. Nov. Fedde Beih. (Berlin)

Schlechter, R.

Blütenanalysen neuer orchideen... hrsg. von Rudolf Mansfeld. I. Südamerikanische orchideen. Repert. Spec. Nov. Fedde Beih. v.58. 1930.

Rep. Agr. Dept. Grenada.
Stell, F.
Mycologist's report, 1929. Rep. Agr. Dept. Grenada 1929:10. 1930.

Rep. & Summ. Proc. Conf. Cotton Probl. Em. Cotton Grow. Corp.
Stoughton, R. H.
Black-arm or angular leaf spot disease of cotton plants. Rep. & Summ. Proc. Conf. Cotton Probl. Emp. Cotton Grow. Corp. 1930:130-144. 1930.

Weiss, F.E.
Grafting and graft-hybrids in connection with cotton plants. Rep. & Summ. Proc. Conf. Cotton Probl. Emp. Cotton Grow. Corp. 1930:158-163. 1930.

Rep. Assoc. Hawaiian Sugar Techn.
Shaw, H. R.
Studies on the response of cane growth to moisture. Rep. Assoc. Hawaiian Techn. 9:127-147. illus. 1930.

Rep. Bot. Soc. & Exch. Club Brit. Isles
Almquist, E.
The stability of forms in our floras. Rep. Bot. Soc. & Exch. Club Brit. Isles 9:199-200. Ag.1930. no.1.

Druce, G. C.
The British Erophila. Rep. Bot. Soc. & Exch. Club Brit. Isles 9:177-198. Ag.1930. no.1.

Fraser, J.
Notes on Mentha. Rep. Bot. Soc. & Exch. Club Brit. Isles 9:201-202. Ag.1930. no.1.

Pearsall, W. H.
Notes on Potamogeton. I. The British grass-leaved species. Rep. Bot. Soc. & Exch. Club Brit. Isles 9:148-156. Ag.1930. no.1.

Stephenson, T.
Notes on Orchis purpurella Stephenson. Rep. Bot. Soc. & Exch. Club Brit. Isles 9:203-204. Ag.1930. no.1.

Wade, A. E.
Myosotis palustris and its varieties. Rep. Bot. Soc. & Exch. Club Brit. Isles 9:157-164. Ag.1930. no.1.

Rev. Gén. Bot. (Paris)

Ling-Young, M.
Étude biologique des phénomènes de la sexualité chez les mucorinées. Pt. II. Étude cytologique des phénomènes de la sexualité chez les mucorinées. Rev. Gén. Bot. 42:618-639. illus. O.1930. no.502.

Pelous, L. A.
Étude de l'action des courants électriques alternatifs sur les phénomènes d'osmose et la circulation de l'eau chez les plantas vasculaires. II. Étude physiologique de l'action des courants alternatifs sur les phénomènes osmotiques chez les végétaux. Rev. Gén. Bot. 42:593-617. O.1930. no.502.

Rev. Zool. et Bot. Afr.

Stander, P.
Note sur le genre Entandrophragma C. DC. Rev. Zool. et Bot. Afr. 20:97-101. illus. N.15,1930. no.1.
E. gregoireianum, E.palustre n.spp.

Vanderijst, R.P.H.
Notes sur les principales graminées du Congo Belge. Rev. Zool. et Bot. Afr. 20:1-22. N.15,1930. no.1.

Sbornik Českoslov. Akad. Zeměd. (Praha)

Bensin, V.M.
Agroekologická studie o kořenech kukuřice (Zea mays L.) (Agrooecological study of the maize root system.) Sbornik Českoslov. Akad. Zeměd. 5:517-577. illus. 1930. no.4.
Czechoslavakian with English summary: p.573-577.

Mikyška, R.
Lesni typy přirozených porostů ve Štiavnickém středohoři. (Die waldtypen der natürlichen bestände im Schemnitzer mittelgebirge (Štiavnické) stredohoři), Slowakei). Sbornik Českoslov. Akad. Zeměd. 5:423-479. illus. 1930. no.4.
Czechoslovakian with German translation: p.470-479.

Polanský, B.
Účinek neobyčejně tuhé zimy v roce 1928-29 na lesni dřeviny. (Die wirkung des ausserordentlich strengen winters im jahre 1928/29 auf die holzarten.) Sbornik Českoslov. Akad. Zeměd. 5:481-501. 1930. no.4.
In Czechoslovakian with German summary: p.498-501.

Science (Lancaster, Pa.)
Allen, R.F.
Heterothallism in Puccinia coronata. Science 72:536. N.21,1930. no.1873.

Earl, R.O.
Rapid staining of plant tissues in the butyl alcohol procedure. Science 72:562. N.28,1930. no.1874.

Fuller, H.J.
Stimulatory effects of ultra-violet radiation upon higher plants. Science 72:535-536. N.21,1930. no.1873.

Prouty, W.F.
A bituminous fossil plant from the triassic of North Carolina. Science 72:527. N.21, 1930. no.1873.

Scient. Month. (Lancaster, Pa.)
Hitchcock, A. S.
A botanical trip to South and East Africa. Scient. Month. 31:481-507. illus. D.1930. no.6.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking.
Ching, R.C.
The studies of Chinese ferns. I. Siensia Contr. Metrop. Mus. Nat. Hist. Nanking 1:1-56. vii pl. Ap. 1930. no.4.

Studia Citrol. Tanaka Citrus Exp. Stat. Japan
Miki, T. & Tanaka, T.
Some studies on the floral organ of citrus 4. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 4: 23-31. Ag.1930 no.1.
In Japanese.

Skurai, Y.
Brief description of citrus cultivated in Formosa. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 4:32-45. Ag.1930 no.1.
In Japanese with brief English summary: p.45.

Tanaka, T.
On the origin of citrus species. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 4:1-22. Ag.1930 no.1.
Japanese with English résumé: p.16-22.

K. Svenska Vetenskapsakad. Årsbok

Juel, H. O.

Växter med subterran frukbildning. K. Svenska Vetenskapsakad. Årsbok 1930:289-307. illus.

Tijdschr. Plantenz. (Amsterdam)

Poeteren, N. van

Bestrijding van de knolvoetziekte bij kool. Tijdschr. Plantenz. 36: 256-260. O.1930. no.10.

Trans. Amer. Micros. Soc. (Urbana, Ill.)

Eddy, S.

The fresh-water armored or thecate dinoflagellates. Trans. Amer. Micros. Soc. 49:277-305. pl.xxviii-xxxv. O.1930. no.4.

Trans. Brit. Mycol. Soc. (London)

Auret, T.B.

Observations on the reproduction and fungal endophytism of Lunularia cruciata (L.) Dumortier. Trans. Brit. Mycol. Soc. 15:163-176. illus. N.15,1930. no.1/2.

Corner, E.J.H.

Studies in the morphology of Discomycetes III-IV. Trans. Brit. Mycol. Soc. 15:107-120,121-134. illus. N.15,1930. no.1/2.

III. The Clavuleae. IV. The evolution of the ascocarp.

Grove, J. H.

Helotium scutula (Pers.) Karst.: its growth, development and response to external stimuli, with some observations on H. cyathoideum (Bull.) Karst. Trans. Brit. Mycol. Soc. 15:177-192. illus. N.15, 1930. no.1/2.

Hahn, G.G.

Life-history studies of the species of Phomopsis occurring on conifers. pt.I. Trans. Brit. Mycol. Soc. 15:32-93. illus., pl.i-iii. N.15,1930. no.1/2.

P. montanensis, P.boycei n.spp.

Miller, J. H.

British Xylariaceae. Trans. Brit. Mycol. Soc. 15:134-154. pl.vi-vii. N.15,1930. no.1/2.

St. John-Brooks, R. & Rhodes, M.

A list of fungi &c. maintained in the national collection of type cultures, 1930. Trans. Brit. Mycol. Soc. 15:155-163. N.15, 1930. no.1/2.

Trans. Brit. Mycol. Soc. (cont.)

Vasudeva, R.N.S.

On the occurrence of "false sectors" in cultures on Fusarium fructigenum Fr. Trans. Brit. Mycol. Soc. 15:96-101. pl.iv. N.15,1930. no.1/2.

Wakefield, E.M.

Fungi exotici: past work and present problems. Trans. Brit. Mycol. Soc. 15:12-31. N.15,1930. no.1/2.

Presidential address.

Wiltshire, S. P.

A method for the preservation of petri dish cultures of fungi. Trans. Brit. Mycol. Soc. 15:93-95. N.15,1930. no.1/2.

Wormald, H.

Further studies of the brown rot fungi. IV. Sclerotinia fructigena as the cause of an apple canker. Trans. Brit. Mycol. Soc. 15:102-107. pl.v. N.15,1930. no.1/2.

Trop. Woods, Yale Univ. Sch. For. (New Haven, Conn.)

MacBride, J. F.

South American viburnums incorrectly described as new species of Cornus. Trop. Woods, Yale Univ. Sch. For. 24:29. D.1,1930.

Refers to his article (Cornus, a genus new to South America, l.c. 19:4-5. S.1929) Cornus peruviana should be Viburnum peruvianum, C. boliviana not a Cornus, the identity uncertain.

Record, S. J.

Local names of the woody plants of British Honduras. Trop. Woods, Yale Univ. Sch. For. 24: 15-28. D.1,1930.

Trudy Inst. Kukur. Akad. Sel.-Khoz. Nauk V.I.Lenina (Publ. Inst. Corn Lenin Acad. Agr. Sci.)(Dnepropetrovsk)

Sokolov, B.P.

...Inbreeding used in the selection of corn. Trudy Inst. Kukur. Akad. Sel.-Khoz. Nauk V.I. Lenina (Publ. Inst. Corn Lenin Acad. Agric. Sci.) no.6. 25 p. illus. 1930.

Russian with English summary.

Die Umschau

Auch bei den schimmelpilzen gibt es männliches und weibliches geschlecht. Die Umschau 34:929-932. illus. N.15,1930. no.46.

Signed: "I.P.B."

U. S. Dept. Agr. Farm. Bull.

Darrow, G.M. Detwiler, S. B. & others.
Currants and gooseberries: their culture and relation to white-pine blister rust. U. S. Dept. Agr. Farm. Bull. 1398, revised. 42 p. illus. O.1930(Rec'd N.)

Stakman, E. C. & Fletcher, D.C.
The common barberry and black stem rust. U.S. Dept. Agr. Farm. Bull. 1544. 28 p. illus. N.1930.
Revision of bulletin issued N.1927, F.E.Kempton & L. D. Hutton, joint authors

Univ. Calif. Publ. Bot. (Berkeley, Calif.)

Martelli, U.
Fiji Pandanaceae. Univ. Calif. Publ. Bot. 12: 325-350. pl.37-44. 1930. no.9.

Martelli, U.
A new Pandanus from British Borneo. Univ. Calif. Publ. Bot. 12:369-372. pl.48. 1930. no.12.
P. durio.

Martelli, U.
Pandanaceae of Tonga. Univ. Calif. Publ. Bot. 12:351-362. pl.45-46. 1930. no.10.

Martelli, U.
Pandanus odoratissimus var. loureirii Gaud. Univ. Calif. Publ. Bot. 12:373-374. 1930. no.13.

Martelli, U.
Two new varieties of Pandanus odoratissimus Linn. in the Hawaiian group. Univ. Calif. Publ. Bot. 12: 363-368. pl.47. 1930. no.11.
Var. levigatus and oahuensis.

Webber, J. M.
Chromosome number and morphology in Nicotiana. V. The character of tetraploid areas in chromosomal chimeras of N. sylvestris, Speg. and Comes. Univ. Calif. Publ. Bot. 11:355-366. illus. pl.16-17. 1930. no.20.

Webber, J. M.
Interspecific hybridization in Nicotiana. XI. The cytology of a sesquidiploid hybrid between tabacum and sylvestris. Univ. Calif. Publ. Bot. 11:319-354. illus., pl.10-15. 1930. no.19.

Yedeoth (Proc. Agr. Stat.)

Pinner, L.

Cephalaria syrica Schrad. - Taradan, Yedeoth (Proc. Agr. Exp. Stat. Tel-Aviv) 2: 127-132. illus. Je. 1930(Rec'd O.) no.3/4.

Hebrew with English summary (p.244-245)

Wheat weed.

Reichert, I.

Urophlyctis on beet. Yedeoth (Proc. Agr. Exp. Stat. Tel-Aviv) 2:193-196. illus. Je.1930. (Rec'd O.) no.3/4.

Hebrew with English summary (p.228)

U. pulposa.

Zeitschr. Bot. (Jena)

Bartsch, J., & Bartsch, M.

Die pflanzengeographische bedeutung des Kraichgaus. Zeitschr. Bot. 23: 361-401. illus. 1930.

Baur, E.

Mutations-auslosung bei Antirrhinum majus. Zeitschr. Bot. 23: 676-702. illus. 1930;

Benecke, W.

Kulturversuche mit Aster tripolium L. Zeitschr. Bot. 23: 745-766. 1930.

Berthold, G.

Zur kenntnis der wirkungen eines plötzlichen nährsalzentzuges beim mais. Zeitschr. Bot. 23: 94-131. 1930.

Buckheim, A.

Einfluss von Ustilago panici-miliacei auf entwicklung und wachstum der wirtspflanze. Zeitschr. Bot. 23: 245-250. illus. 1930.

Burgeff, H.

Parasitismus, wasserbewegung und stofftransport. Ein beitrag zur physiologie der mucorineen-parasiten (sikyonten) mit einem worwort über das sexualitätsproblem. Zeitschr. Bot. 23: 589-608. illus. 1930.

Diels, L.

Beiträge zur kenntnis der blattfolge bei Asarum europaeum. Zeitschr. Bot. 23: 203-216. illus. 1930.

Zeitschr. Bot. (cont.)

Fischer, E.
Ueber einige kleinarten von Gymnosporangium und ihre einwirkung auf den wirt. Zeitschr. Bot. 23: 163-182. illus. 1930.

Fitting, H.
Untersuchungen uber die natur der chemodinetischen reizung und uber die unterschiedsschwellen fur l-asparagin. Zeitschr. Bot. 23: 328-360. illus. 1930.

Fritsch, F. E.
Ueber entwicklungstendenzen bei Desmidiaceen. Zeitschr. Bot. 23: 402-418. illus. 1930.

Gassner, G.
Untersuchungen über die wirkung von temperatur- und temperaturkombinationen auf die keimung von Poa pratensis und anderen Poa-arten. Zeitschr. Bot. 23: 767-838. illus. 1930.

Hannig, E.
Ueber den mechanismus der sekretausscheidung bei den drüsenhaaren von Pelargonium. Zeitschr. Bot. 23: 1004-1014. illus. 1930.

Harder, R.
Beobachtungen über die temperatur der assimilationsorgane sommergruner pflanzen der algerischen wüste. Zeitschr. Bot. 23: 703-744. pl.ii-iii. 1930.

Höfler, K.
Das plasmolyse-verhalten der rotalgen. Zeitschr. Bot. 23: 570-588. illus. 1930.

Huber, B.
Untersuchungen über die gesetze der porenverdunstung. Zeitschr. Bot. 23: 839-891. illus. 1930.

Huber-Pestalozzi, G.
Algen aus dem Knysnawalde in Südafrika. Zeitschr. Bot. 23: 443.480. illus. 1930.

Zeitschr. Bot. (cont.)

Jost, L.
Die bildung des netzes bei Hydrodictyon utriculatum. Zeitschr. Bot. 23: 57-73. illus. 1930.

Karsten, G.
Neue untersuchungsergebnisse bei diatomeen. Zeitschr. Bot. 23: 1-12. 1930.

Klebahn, H.
Zur kenntnis einiger Botrytis-formen vom typus der Botrytis cinerea. Zeitschr. Bot. 23: 251-272. illus. 1930.

Kniep, H.
Ueber selektionswirkungen in fortlaufenden massenaussaaten von Schizophyllum. Zeitschr. Bot. 23: 510-536. 1930.

Knoll, F.
Ueber pollenkitt und Bestäubungsart. Ein beitrag zur experimentellen blütenökologie. Zeitschr. Bot. 23: 609-675. illus. 1930.

Kylin, H.
Ueber die blasenzellen bei Bonnemaisonia, Trailliella und Antithamnion. Zeitschr. Bot. 23: 217-226. 1930

Lambert, F. D.
On the structure and development of Prasinocladus. Zeitschr. Bot. 23: 227-244. illus. 1930.

Lorbeer, G.
Geschlechtsunterschiede im chromosomensatz und in der zellgrösse bei Sphaerocarpus donnellii Aust. Zeitschr. Bot. 23: 932-956. illus. 1930.

Mevius, W.
Licht und adventivwurzelbildung bei commelimaceen. Zeitschr. Bot. 23: 481-509. illus. 1930.

Michaelis, P.
Ueber experimentell erzeugte, Heteroploide pflanzen von Oenothera hookeri. Zeitschr. Bot. 23: 288-308. illus. 1930.

Zeitschr. Bot. (cont.)

Noack, K. L.
Untersuchungen an Pelargonium zonale "freak of nature". Zeitschr. Bot. 23: 309-327. illus. 1930.

Noack, K.
Ueber das chloroplasteneisen. Zeitschr. Bot. 23: 957-966. 1930.

Oehlkers, F.
Studien zum problem der polymerie und des multiplen allelomorphismus. II. Zeitschr. Bot. 23: 967-1003. illus. 1930.

Ostenfeld, C. H.
On a new Plasmodiophoracea found in Canada. Zeitschr. Bot. 23: 13-18. illus. 1930.
Membranosorus (n.gen.) heterantherae.

Rawitscher, F.
Bewegungsstudien an Asparagus plumosus. Zeitschr. Bot. 23: 537-569. illus. 1930.

Schiller, J.
Kulturversuche uber den temperatureinfluss auf die produktivitat des wassers. Zeitschr. Bot. 23: 132-149. 1930.

Schreiber, E.
Die fruktifikationszeiten und die bedingungen der gametenentleerung bei Fucus serratus. Zeitschr. Bot. 23: 273-287. illus. 1930.

Stocker, O.
Ueber die messung von bodensaugkräften und ihrem verhältnis zu den wurzelsaugkräften. Zeitschr. Bot. 23: 27-56. illus. 1930.

Stolley, I.
Ueber ein centrosom-ähnliches gebilde und die kernteilungserscheinungen bei Spirogyra nitida (Dillw.) Link. Zeitschr. Bot. 23: 919-931. illus., p.iv. 1930.

Svedelius, N.
Ueber die sogenannten süsswasser-lithodermen. Zeitschr. Bot. 23: 892-918. illus. 1930.

Zeitschr. Bot. (cont.)
Tischler, G.
Ueber die bastardnatur des persischen flieders. Zeitschr. Bot. 23: 150-162. illus. 1930.

Ursprung, A.
Zur terminologie und analyse der osmotischen zustandsgrössen. Zeitschr. Bot. 23: 183-202. illus. 1930.

Walter, H.
Saugkraft oder osmotischer wert? Zeitschr. Bot. 23: 74-93. 1930.

Went, F.A.F.C.
Ueber wurzelbildende substanzen bei Bryophyllum calcycinum Salisb. Zeitschr. Bot. 23: 19-26. illus. 1930.

Zimmermann, W.
Neue und wenig bekannte kleinalgen von Neapel I-V. Zeitschr. Bot. 23: 419-442. illus., pl.i. (col.) 1930.

Zeitschr. f. Obst- u. Weinbau.
Osterwalder, A.
Panaschierte kirschblätter oder die sog. rigi-kirschkrankheit. Zeitschr. f. Obst- u. Weinbau 39: 478-483. illus. N.22,1930. no.24.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch. -Prakt. Teil.
Kleemann,
Die ernährung des keimlings und ihr einfluss auf die bewurzelung der getreide. Zeitschr. Pflanzenernahr. Dung. u. Bodenk. B, Wirtsch.-Prakt. Teil 9: 433-456. illus. O.1930. no.10.

Zeitschr. Pflanzenkr. (Stuttgart)
Dvořák, K.
Eine chemische methode zur identifizierung der asphalt- und teerbeschadigung der pflanzen. Zeitschr. Pflanzenkr. 40: 505-510. N.1930. no.11.

Munch, E.
Zur kenntnis von Ceratostomella pini, piceae und cana. Zeitschr. Pflanzenkr. 40: 513-516. N.1930. no.11.

Zeitschr. Pflanzenkr. (cont.)

Tubeuf, C. v.
Die kurztriebe der kiefer. Zeitschr. Pflanzenkr. 40: 465-492. illus. N.1930. no.11.

Tubeuf, C. v.
Noch ein neuer feind der douglasie vor den toren Deutschlands. Zeitschr. Pflanzenkr. 40: 527. N. 1930. no.11.
Rhabdocline pseudotsugae.

Exper. Stat. Publ.

Brown, B. A.
The organic mercury compounds for the control of scab and Rhizoctonia of potatoes. Conn. (Storrs) Agr. Exp. Stat. Bull. 164: 87-106. Jl.1930(Rec'd N.)

MacDaniels, L. H., & Curtis, O. F.
The effect of spiral ringing on solute translocation and the structure of the regenerated tissues of the apple. Cornell Agr. Exp. Stat. Mem.133. 31 p. illus., 5 pl. on 3. O.1930.

Price, J. C. C.
Strawberry varieties. Mississippi Agr. Exp. Stat. Circ. no.93. [3 p.] Ag.1930(Rec'd N.)

New Jersey agricultural experiment station - Dept. of plant pathology.
The Dutch elm disease. Its Nursery Dis. Notes v.3, no.4. 4 p; no.5. 4 p. O.,N. 1930.
Mimeographed.

Wilson, J. D., & Newhall, A. G.
The control of celery blights. Ohio Agr. Exp. Stat. Bull. 461. 30 p. illus. O.1930.

McClintock, J. A.
A tuber rot of Irish potatoes. Tennessee Agr. Exp. Stat. Circ. 32. [4] p. illus. O.1930.

New Books.

Adamson, R. S.
The botanical features of the south-western Cape Province. Essays by R. S. Adamson, R. H. Compton, P. A. Van der Byl, E. L. Stephens, M. R. Levyns. Cape Town, Specialty Press of S. A., 1929.

New Books. (cont.)

Bardswell, F. A.
The herb-garden. 2 ed. London, A. & C. Black, 1930.
Edited by E. T. Ellis.

Beck-Mannagetta, G.
Orobanchaceae. Leipzig, W. Englemann, 1930 (Das pflanzenreich regni vegetabilis conspectus... hrsg. A. Engler hft. 96 (IV. 261)

Bouloumoy, L.
Flore du Liban et de la Syrie. 2 v. (text & plates) Paris, Vigot freres, 1930.

Briquet, J.
Avis préalable due Bureau permanent et des commissions de nomenclature sur les motions soumises aux debats de la sous-section de nomenclature. 5th Congrès international de botanique, Cambridge, 1930. Berlin, R. Friedländer & sohn, 1930.

Briquet, J.
Recueil synoptique des documents destinés a servir de base aux débats de la sous-section de nomenclature. 5th Congrès international de botanique Cambridge, 1930. Berlin, R. Friedlander & sohn, 1930.

British museum (Natural history) Dept. of botany
Exhibition of a selection from the historical collections. London, 1930.
In connection with 5th International botanical congress, 1930.

Burchard, O.
Beiträge zur ökologie und biologie der Kanarenpflanzen. Stuttgart, Schweizerbart, 1929 (Bibliotheca botanica... hft. 98)

Cyrén, O.
Vegetationsbilder aus Portugal. In Karsten, G. Vegetationsbilder. 21 reihe, h.3/4. 12 pl. 1930.

New Books, (cont.)

Dykes, W. R.

Dykes on irises. A reprint of the contributions of the late W. R. Dykes, L-es-L., to various journals and periodicals during the last 20 years of his life. Comp. & ed. by G. Dillistone. Tunbridge Wells, Iris society, [1930]

Gola, G.

L'erbario micologico di P. A. Saccardo. Catalogo. Padova, Tipografia editrice Antoniana, 1930.

Guillaumin, A.

Les fleurs de jardins. v.2. Les fleurs d'été, Paris, P. Lechevalier, 1930.

Haldane, J. B. S.

Enzymes. London, Longmans, 1930.

Handbuch der praktischen und wissenschaftlichen pharmazie. Unter mitwirkung zahlreicher fachgenossen, hrsg. H. Thoms. lfg. 30. Berlin, Urban & Schwarzenberg, 1930.

Index londinensis... (Iconum botanicarum, Index londinensis) Prepared ... by O. Stapf. v.4 Kadsura to Pedicellia. Oxford, Clarendon press, 1930.

Institute of international agriculture

La législation du commerce des plantes dans les différentes pays ... Rome, Institut international d'agriculture, 1929.

Jávorka, S.

... A magyar flóra képekben (Iconographia florae hungaricae) v. 6, Budapest, 1930.

Jones, H. E.

Some familiar wild flowers New York, Macmillan Co., 1930.

Kallenbach, F.

Dir röhrlinge (Boletaceae). In Deutsche gesellschaft für pilzkunde, Die pilze mitteleuropas... unter redaktion von H. Kniep... bd.1, lfg. 10. Leipzig, W.Klinkhardt, 1930.

New Books. (cont.)

Kirschner, O.v.

Lebensgeschichte der blutenpflanzen Mitteleuropas... Fortgefuhrt von W. Wangerin, C. Schröter. lfg. 36(bd.1, abt.4, bog.13-18) Orchidaceae von H. Ziegenspeck. Stuttgart, E. Ulmer, 1930.

Linder, D. H.

Botanical report of Liberia. In The African Republic of Liberia... Harvard African expedition 1926-1927. Contr. Dept. Trop. Med. & Inst. Trop. Biol. & Med. (5(1)) 513-568. illus. 1930.

Linsbauer, K.

Die epidermis. Berlin, Gebrüder Borntraeger, 1930 (Handbuch der pflanzenanatomie... hrsg. von K. Linsbauer, 1 abt. 2 teil: Histologie, bd. iv.)

May, C.

The Dutch elm diseases. By Curtis May.... [n.p.] 1930.

A paper presented at the 6th National shade tree conference, Cleveland, Ohio, Aug. 27, 28, 29, 1930 and published in advance of the Proceedings.

Molisch, H.

Pflanzenphysiologie als theorie der gärtnerei. 6, neubearb. aufl. Jena, G. Fischer, 1930.

Müller, E.

Kaffee und rösten. Ein handbuch über die beurteilung der kaffeesorten, über das rösten und die zubereitung von kaffee, getreidekaffee und kaffee-ersatzstoffen sowie über die wichtigsten fachfragen des kaffeehandels. Hamburg, A. Rüter, 1929.

Perrier de la Bathie, E.

Catalogue raisonné des plantes vasculaires de Savoie... 2 v. Paris, Libraire des sciences naturelles, 1917, 1928.

Avec une préface et un supplément par le Dr. Jules Offner.

Extrait des Mémoires de l'Académie des sciences belles-lettres et arts de Savoie s.5, v.4-5.

New Books. (cont.)

Plant diseases. In The African Republic of Liberia... Harvard African expedition 1926-1927. Contr. Dept. Trop. Med. & Inst. Trop. Biol. & Med. 5(1): 389-410. illus. 1930.

Rádl, E.

The history of biological theories. Transl. & adapted from the German by E. J. Hatfield. London, Oxford university press, 1930.

Rigg, G. B.

College botany with special reference to liberal education. Philadelphia, Lea & Febiger, 1930.

Rosenberg, O.

Apogamie und parthenogenesis bei pflanzen. Berlin, Gebrüder Borntraeger, 1930 (Handbuch der vererbungswissenschaft hrsg. von E. Baur u. M. Hartmann, lfg. 12 (bd. 2,L)

Smit, J.

Die gärungssarcinen. Eine monographie... Jena, G. Fischer, 1930 (Pflanzenforschung, hrsg. von. R. Kolkwitz... hft.14)

Translations filed in Library of Bur. of Plant Industry.

Baker, C. A.

Beschrijving der soorten van het suikerriet 13. bijdrage. De nieuwe zaadrietsoorten 2714, 2722,2725. 2727,2753, 2801, 2822, 2878, 2883, POJ, EK 40, EK madoe en SW 499 (Description of varieties of sugar cane 13. contribution. The new seed varieties: 2714, 2725 &c) Arch. Suikerind. Nederl.-Indie 34 (3): 421-470. 1926.

Jesweit, J.

Beschrijving der soorten van het suikerriet 5. bijdrage. De EK-soorten 1, 2, 3, 6, 7, 10, 28 en 30 (Description of varieties of sugar cane 5th contribution. The EK varieties 1, 2, 4, 6, 7, 10, 28 and 30) Arch. Suikerind. Nederl.-Indie 25: 913-946. Mr.1917.

--- ---- 10. bijdrage. Zestien oorspronkelijke rietsoorten uit den Maleischen archipel (Description of varieties of sugar cane 10th contribution. Sixteen original cane species from the Malay Archipelago) Arch. Suikerind. Nederl.-Indie 28(2): 2183-2246. 1920.

ile copy

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

V.12, no.26. Dec. 8-20, 1930.

Administr. Rep. Dir. Agr. Trinidad & Tobago.
Stell, F.
Mycologist's report. 1929. Division of plant diseases and pests. Administr. Rep. Dir. Agr. Trinidad & Tobago. 1929: 25-27. 1930.

Agr. Gaz. N.S.W. (Sydney)
Birmingham, W. A.
Sour-sap of fruit trees. Agr. Gaz. N.S.W. 41: 799. N.1, 1930. no.11.

Ann. Accad. Agr. Torino.
Bertotti, E.
Ricerche sulle muffe delle castagne. Ann. Accad. Agr. Torino. 72(1929): 47-58. 1930.
Penicillium glaucum.

Il bicentenario dell'Orto botanico della R. Università di Torino e le onoranze al grand. uff. prof. Oreste Mattirolo. La cerimonia del 10-11 novembre 1929. Ann. Accad. Agr. Torino. 72(1929): 101-124. illus., port. 1930.

Bongini, V.
Esperienze contro la Cuscuta. Ann. Accad. Agr. Torino. 72(1929): 15-28. 1930.

Voglino, P.
I funghi più dannosi alle piante coltivate osservati nella provincia di Torino e regioni vicine durante l'anno 1928. Ann. Accad. Agr. Torino. 72(1929): 35-46. 1930.

Ann. Bot. (London)
Allen, W. W.
The resistance to poisons of desiccated plant tissues. Ann. Bot. 44: 1001-1009. pl.xliv. O. 1930. no.176.
Experiments with Mnium hornum.

Barnes, B.
Variations in Botrytis cinerea, Pers., induced by the action of high temperatures. Ann. Bot. 44: 825-858. illus., pl. xxvii. O.1930. no.176

Ann. Bot. (cont.)

Boer, S. R. van A.
The effect of ionized air on the rate of respiration of fungi. Ann. Bot. 44:989-999. illus. O.1930. no.176.

Halket, A. C.
The rootlets of "Amyelon radicans" Will.; their anatomy, their apices and their endophytic fungus. Ann. Bot. 44: 865-905. illus., pl. xxxix-xl. O.1930, no.176.

Hallock, F. A.
The relationship of Garrya. The development of the flowers and seeds of Garrya and its bearing on the phylogenetic position of the genus. Ann. Bot. 44: 771-812. illus., pl. xxxvi. O.1930. no.176.

Ramchandani, J. C.
Saltations in bacteria. III. Bacillus violaceus. Ann. Bot. 44: 975-987. pl. xliii. O.1930. no. 176.

Roach, W. A.
Increased scion vigour induced by certain foreign root-stocks. Ann. Bot. 44: 859-864. illus., pl. xxxviii. O.1930. no.176.

Saxton, W. T.
Notes on conifers. VII. Pherosphaera hookeriana Archer. Ann. Bot. 44: 957-963. illus. O.1930. no.176.

Thoday, D. & Johnson, E. T.
On Arceuthobium pusillum, Peck. II. Flowers and fruit. Ann. Bot. 44: 814-824. illus. O.1930. no. 176.

Wardlaw, C. W.
The biology of banana wilt. (Panama disease). II. Preliminary observations on sucker infection. Ann. Bot. 44: 917-956. illus. O.1930. no.176.

Wormald, H.
Further studies of the brown-rot fungi. V. Brown-rot blossom wilt of pear trees. Ann. Bot. 44:965-974. pl. xli-xlii. O.1930. no.176.

Ann. Rep. Dept. Agr. Assam.
Assam. Dept. of agriculture. Sect. of mycology.
Mycology. Ann. Rept. Dept. Agr. Assam.
1929/30: 57-59. 1930.

Ann. Rep. East Malling Res. Stat.
Moore, M. H.
Apple scab at East Malling. Ann. Rep. East Malling Res. Stat. 1929: 72-75. 1 pl. 1930.

Wormald, H.
Plant pathology. Mycology and bacteriology. Ann. Rep. East Malling Res. Stat. 1929: 67-71. 1930.

Ann. Rep. Lands & For. Dept. Sierra Leone (Freetown)
Deighton, F. C.
Annual report of the mycological section for the year 1929. Ann. Rep. Lands & For. Dept. Sierra Leone. 1929: 20-23. 1930.

Ann. Soc. Linn. Lyon.
Braun-Blanquet, J.
L'origine et le développement des flores dans le massif central de France avec aperçu sur les migrations des flores dans l'Europe sud-occidentale. (cont.) Ann. Soc. Linn. Lyon. 75: 1-73. 1930.

Josserand, M.
Galera arvalis (Fr.) Quelet var. Tuberigena Q. Ann. Soc. Linn. Lyon. 75: 118-124. illus. 1930.

Pouchet, A.
Contribution a l'etude des myxomycètes du départament du Rhone. 2. Ann. Soc. Linn. Lyon. 75: 94-100. 1930.

Ann. Sper. Agr. Italy.
Leoncini, G. & Levi, G.
Studi sulle frutta. Ann. Sper. Agr. Italy. 4: 263-270. 1930.
Se esista un rapporto fra le quantità di alcuni costituenti del succo di varietà diverse di pesche e la durata della loro conservabilità in frigorifero.

Ann. Sper. Agr. Italy. (cont.)

Leoncini, G. & Levi, G.

Studi sulle frutta. Ann. Sper. Agr. Italy. 4: 249-262. 1930.

Se esista un rapporto fra le quantità di alcuni costituenti del succo di varietà diverse di susine e di pere e la durata della loro conservabilità in frigorifero.

Rivera Campanile, G.

Ulteriori risultati di prove sperimentali per la lotta contro da Cuscuta. Ann. Sper. Agr. Italy. 3: 95-107. 1930.

Arch. Inst. Biol. Difesa Agr. São Paulo.

Hoehne, F. C.

Contribuições para o conhecimento da flora orchidologica brasilica II. Arch. Inst. Biol. Difesa Agr. São Paulo. 3: 287-320. pl. 37-38 (part.col.) 1930.

Arch. Mikrobiol. (Berlin)

Gorbach, G.

Zur kenntnis der bakterienproteasen. Arch. Mikrobiol. 4: 537-576. illus. N.12,1930. no.4.

Bienn. Rept. Kansas State Hort. Soc.

Anderson, H. W.

Control of bramble diseases. Bienn. Rep. Kansas State Hort. Soc. 40: 162-167. illus. 1930.

Elmer, O. H.

Leaf diseases of cherry. Bienn. Rep. Kansas State Hort. Soc. 30: 109-113. 1930.

Maney, T. J.

Crown gall and apple propagation. Bienn. Rep. Kansas State Hort. Soc. 40: 155-161. illus. 1930.

Biochem. Zeitschr. (Berlin)

Niethammer, A.

Bio- und histochemie pflanzlicher früchte und samen. II (Riefe- und alterserscheinungen) Biochem. Zeitschr. 227: 462-471. O.30,1930. no.4/6.

Bol. Min. Agr. Nac. Argentine.

Close, E. C. & Lahitte, R.

Arboles y arbustos cultivados en la Argentina. III. (Leguminosae- Caesalpinioideae). Bol. Min. Agr. Nac. Argentine. 29: 239-266. illus., pl. i-vii. Jl./S.1930. no.3.

Bol. Min. Agr. Nac. Argentine. (cont.)
Fischer, G. J.
Orientaciones en la luche contra las royas. Bol. Min. Agr. Nac. Argentine. 29: 341-346. illus. Jl./S. 1930. no.3.

Nieves, R.
Ensayos comparativos de resistencia a la "Tilletia laevis" (Kuhn) con trigos Argentinos é importados, communes y de pedigree. Bol. Min. Agr. Nac. Argentine. 29: 297-316. Jl./S.1930. no.3.

Scasso, J. M. & Millan, A. R.
Ensayo de clasificación de variedades de tomate experimentadas por la agronomia regional de morón. Bol. Min. Agr. Nac. Argentine. 29: 267-296. illus. Jl./S.1930. no.3.

Bull. Dept. Agr. Mauritius Sci. Ser.
Koenig, M.
The sucrose content of the cane expressed in terms of air temperature & soil moisture. Bull. Dept. Agr. Mauritius Sci. Ser. 16. 8 p. 1 fold. tab. 1930.

[Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Invest.) Krasnodar.
Il'in, G. S.
... On the nicotine metabolism in the tobacco plant. [Bull.] Gosudarstv. Inst. Tabak. (Bull. State Inst. Tobacco Inst.) Krasnodar. 69: 81-96. 1930.
Russian with English summary.

Bull. Mysore Coffee Exp. Stat. (Bangalore City)
Mayne, W. W.
Seasonal periodicity of coffee leaf disease (Hemileia vastatrix B. & Br.) Bull. Mysore Coffee Exp. Stat. no.4, 16 p. diagr. 1930.

[Bull.] Scient. Ser. Dept. Agr. Straits Settl. Fed. Malay States.
Ward, F. S.
Investigations on Panama disease in Malaya. Bull. Scient. Ser. Dept. Agr. Straits Settl. Fed. Malay States. no.2. 26 p. 4 pl. on 2. 1930.

Bull. U. S. Gold Assoc. Green Sect. (Washington, D. C.)

Evans, M. W.

Common wild foxtail grasses. Bull. U. S. Golf Assoc. Green Sect. 10: 62-65. illus. Ap. 1930 (Rec'd D.) no.4.

Bult. Sci. Fak. Terkult. Kjusú Imp. Univ.

Fukaki, S.

Ueber die frage der beeinflussung des eigenen fruchtsaftes auf die samenkeimung. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 4: 119-133. O.1930. no.2.

In Japanese with German summary: p.132-133.

Shimizu, R.

Some observations on the ectotrophic mycorrhizas of Pinus densiflora and P. thunbergii. Bult. Sci. Fak. Terkult. Kjusu Imp. Univ. 4: 108-118. illus. O.1930. no.2.

In Japanese with English résumé: p.117-118.

Butler Univ. Bot. Stud. Paper. (Indianapolis)

Cain, S. A. & Friesner, R. C.

Certain aspects of the H-ion concentration of the soils of a central Indiana river bluff. Butler Univ. Bot. Stud. Paper. 1: 172-175. O.1930. no.10/12.

Cain, S. A.

Certain floristic affinities of the trees and shrubs of the Great Smoky mountains and vicinity. Butler Univ. Bot. Stud. Paper. 1: 129-150. pl.vi-viii (maps) S.1930.

Cain, S.A., Friesner, R. C. & Potzger, J. E.

A comparison of strip and quadrat analyses of the woody plants on a central Indiana river bluff. Butler Univ. Bot. Stud. Paper. 1: 157-171. O.1930. no.10/12.

Cain, S. A.

An ecological study of the heath balds of the Great Smoky Mountains. Butler Univ. Bot. Stud. Paper. 1: 177-208. illus., 1 pl. D.1930. no.13.

Friesner, R. C.

A microtome knife cooler. Butler Univ. Bot. Stud. Paper. 1: 176. illus. O.1930. no.10/12.

Centralbl. Bakt. Abt.II (Jena)

Blochwitz, A.

Parasitismus von schimmelpilzen auf schimmelpilzen. Centralbl. Bakt. Abt. II, 82: 100-102. illus. N.20,1930, no.1/7.

Köhler, E.

Beobachtungen an zoosporenaufschwemmungen von Synchytrium endobioticum (Schilb.) Perc. Centralbl. Bakt. Abt.II. 82: 1-10. illus. N.20, 1930. no.1/7.

China Journ. (Shanghai)

Ferguson, J. C.

Bretschneider. China Journ. 13: 246-250. N.1930. no.5.

Citrus News Melbourne.

Adam, D. B.

Spotting of citrus fruits. Observations on anthracnose spot and Septoria spot. Citrus News Melbourne. 6(11): 11. No.1,1930.

Compt. Rend. Acad. Sci. Paris.

Davy de Virville, A.

Sur la répartition en zone du Rivularia bullata Berkeley. Compt. Rend. Acad. Sci. Paris. 191: 1021-1023. N.24,1930. no.21.

Viala, P. & Marsais, P.

Les mycolithes de la vigne en Palestine. Compt. Rend. Acad. Sci. Paris. 191: 973-976. N.24, 1930. no.21.

Lithomyces nidulans n.sp. belonging to a new family Lithomycetaceae. The fungus is not a parasite but its mycelium smothers the plant.

Compt. Rend. Soc. Biol. Paris.

Pires de Lima, A.

Action des rayons ultra-violets, de quelques colorants et de quelques alcaloides sur la germination du seigle. Compt. Rend. Soc. Biol. Paris. 105: 493-495. No.21, 1930. no.31.

Pires deLima, A.

Influence de l'ergostérine irradiée sur la germination du seigle. Compt. Rend. Soc. Biol. Paris. 105: 495. N.21, 1930. no.31.

Desert (Pasadena)

Johansen, D. A.

Some evening primroses: Burragea. Desert (Pasadena) 2: 103-104. illus. D.1930. no.8.

Saunders, C. F.

A neglected nut of the desert region. Desert (Pasadena) 2: 91. illus. N.1930. no.7.

Simmondsia californica (jojoba)

Walther, E.

Sedum pt. III. Desert (Pasadena) 2: 103-105. illus. D.1930. no.8.

Deut. Landw. Presse. (Berlin)

Einecke, A.

Der wurzelkropf der zuckerrübe. Deut. Landw. Presse. 57: 642. illus. N.22,1930. no.47.

Flor. Exch. (N.Y.)

Wyman, D.

The influence of the heel in the rooting of narrow-leaved evergreen cuttings. Flor. Exch. 75(14): 25. illus. D.6,1930. no.14.

Flor. Rev. (Chicago)

Shull, G. A.

Gas injury to roses. Flor. Rev. 67(1723): 33-34. illus. D.4, 1930. no.1723.

Gard. Chron. (London)

Ingram, C.

Notes on the cultivation of the Cape gladioli. Gard. Chron. III,88: 449. illus. N.29,1930. no.2292.

Worsdell, W. C.

Hybrid poppies. Gard. Chron. III,88: 452. N.29, 1930. no.2292.

Gartenbauwiss. (Berlin)

Niethammer, A.

Pysiologisch-chemische anatomie fleischiger früchte unserer gärten. (Gleichzeitig ein beitrag über reife-, altera- und stimulationserscheinungen an samen und früchten.) Gartenbauwiss. 4: 1-10. illus. N.10, 1930. no.1

Gartenw. (Berlin)

Brill, O.

Vorschläge zur bekämpfung des ulmensterbens. Gartenw. 34: 657-659. illus. N.28,1930. no.48.

Herre, H.

Sukkulenten-kleinode von einer sammelreise in die Ceres Karroo. Gartenw. 34: 667-668. illus. N.28, 1930. no.48.

Gentes herbarum.

Bailey, L. H.

The cultivated brassicas (Brassica cultorum) II. his Gentes herbarum. 2: 211-267. illus. D.1930. no.5.

Hawaiian Plant. Rec. (Honolulu)

Cassidy, G.

Nematodes associate with sugar cane in Hawaii. Hawaiian Plant. Rec. 34: 379-384. illus., 3 pl. on 2. 0.1930. no.4.

Mangelsdorf, A. J.

Cane varieties in the Philippines. Hawaiian Plant. Rec. 34: 403-407. illus. 0.1930. no.4.

Mangelsdorf, A. J.

Sugar cane breeding in the Philippines. Hawaiian Plant. Rec. 34: 409-416. illus. 0.1930. no.4.

Martin, J. P.

Chlorotic streak disease of sugar cane. Hawaiian Plant. Rec. 34: 375-378. 1 pl. (col.) 0.1930. no.4.

Hilgardia (Berkeley, Cal.)

Sampson, A. W. & McCarty, E. C.

The carbohydrate metabolism of Stipa pulchra. Hilgardia. 5: 61-100. illus. N.1930. no.4.

House and Gard. (Greenwich, Conn.)

Durand, H.

Western wildflowers for eastern gardens. House and Gard. 59(1): 68-69, 106, 108,110. illus. Ja. 1931. (D.1930) no.1.

Illinois Farmer's Inst. Bull.

Holbert, J. R.

Some questions and answers on cold injury to corn. Illinois Farmer's Inst. Bull. [Unnumb 1]. 14.p. illus. 1930.

Illinois Farmer's Inst. Bull. (cont.)

Pieper, J. J.
The increasing menace of weeds. A national problem. Illinois Farmer's Inst. Bull.[Unnumb. 2].. 18 p. illus. 1930.

Indian For. (Dehra Dun)

Fischer, C. E. C.
Saccharum arundinaceum Retz. Indian For. 66: 486-487. N.1930. no.11.

Scott, C. W.
Tung oil in Burma from Aleurites spp. Indian For. 66: 488-490. N.1930. no.11.

Izv. Biuro Genetike (Bull. Bur. Genetics) (Leningrad)

Fedorova, N. Ia.
...Hybridization of Avena sativa with Avena fatua. I- Izv. Biuro Genetike. (Bull. Bur. Genetics) 8: 47-61. 1930.
Russian with English summary.

Filipchenko, J.
... Again the question of genes and the development of the form of the ear in wheat. Izv. Biuro Genetike (Bull. Bur. Genetics) 8: 1-18. illus. 1930.
Russian with English summary.

Lepin, T. K.
... Inheritance of quantitative characters in durum wheats. II. Inheritance of length of apical tooth in a Triticum durum x Triticum persicum cross. Izv. Biuro Genetike (Bull. Bur. Genetics) 8: 19-45. illus. 1930.
Russian with English summary.

Jahrb. Wiss. Bot. (Leipzig)

Brauner, L.
Untersuchungen über die elektrolyt-permeabilität und quellung einer leblosen näturlichen membran. Jahrb. Wiss. Bot. 73: 513-632. illus. N.1930. no.4.

Mevius, W. & Dikussar, I.
Nitrite als stickstoffquellen für höhere pflanzen. Ein beitrag zur frage nach der assimilation des nitratstickstoffs. Jahrb. Wiss. Bot. 72: 633-703. N.1930. no.4.

Journ. Agr. Res. (Washington, D.C.)

Eggleston, W.W., Black, O.F., & Kelly, J.W.

Linum neomexicanum (Yellow pine flax) and one of its poisonous constituents. Journ. Agr. Res. 41: 715-718. illus. N.15,1930. no.16.

Garner, W.W. & Allard, H.A.

Photoperiodic response of soybeans in relation to temperature and other environmental factors. Journ. Agr. Res. 41: 719-735. N.15,1930. no.10.

King, C. J.

Development of axillary buds on fruiting branches of Pima and Upland cotton. Journ. Agr. Res. 41: 697-714. illus. N.15,1930. no.10.

Journ. Chem. Soc. London.

Head, F.S.H. & Robertson, A.

Natural glucosides. Pt.II. The constitution of Aesculin. Journ. Chem. Soc. London. 1930: 2434-2444. N.1930.

Smith, S.

Digitalis glucosides. Pt.II. Digoxigenin, the aglucone of digoxin. Journ. Chem. Soc. London. 1930: 2478-2482. N.1930.

Journ. Dept. Agr. So. Australia. (Adelaide)

Samuel, G.

Tomato diseases in South Australia and how to control them with special reference to glasshouse tomato culture (cont.) Journ. Dept. Agr. So. Austral. 34: 253-272. illus. O.15,1930. no.3.

Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.)

Coker, W. C.

The bald cypress. Journ. Elisha Mitchell Sci. Soc. 46: 86-88. pl.7. N.1930. no.1.

Tree near Longwood, Seminole Co., Florida, largest, east of the Mississippi, that author has seen.

Coker, W. C.

Notes on fungi, with description of a new species of Ditiola. Journ. Elisha Mitchell Sci. Soc. 46: 117-120. pl.8,9. N.1930. no.1.

Ditiola shopei, Lycogalopsis solmsii, Allomyces arbuscula.

Journ. Elisha Mitchell Sci. Soc. (cont.)

Grimsley, G.
Some observations on Tilia (basswood) seeds. Journ. Elisha Mitchell Sci. Soc. 46: 72-73. N. 1930. no.1.

Hall, E. H.
A partial check list of the ferns found in the Mountain Park and Roaring Gap region. Journ. Elisha Mitchell Sci. Soc. 46: 69-71. N.1930. no.1.

Mann, F. J.
Winter root development of Ligustrum vulgare. Journ. Elisha Mitchell Sci. Soc. 46: 62-66. pl.5-6. N.1930. no.1.

Pleasants, A. L.
The effect of nitrate fertilizer on stomatal behavior. Journ. Elisha Mitchell Sci. Soc. 46: 95-116. illus. N.1930. no.1.

Wolfe, J. J.
Diatoms of Beaufort. Journ. Elisha Mitchell Sci. Soc. 46: 89-94. N.1930. no.1.
Edited by Bert Cunningham after the death of Dr. Wolfe.

Journ. Minn. Agr. Gt. Brit. (London)

Long, H. C.
Weeds of grass land. Journ. Minn Agr. Gt. Brit. 37: 871-878. D.1930. no.9.

Thomson, J. A.
The biology of seeds. Journ. Min. Agr. Gt. Brit. 37: 855-862. D.1930. no.9.

Journ. Sapporo Soc. Agr.& For.

Tatewaki, M.
The vegetation along the river Toyohira in the vicinity of Sapporo. II. Journ. Sapporo Soc. Agr. & For. 22: 195-256. N.1930. no.101.
Japanese.

Journ. Soc. Trop. Agr. Japan. (Taiwan)

Goto, K.

On the perfect stage of Sclerotium rolfsii Sacc. produced on culture media. Journ. Soc. Trop. Agr. Japan. 2: 165-173. illus. O.1930. no.2.

Preliminary report.

"For the time being, therefore, it is rather safe to say that the writer's fungi are identical with Herter's fungus designated Corticium centrifugum, and that in all probability they might be also similar to the type species of Bresadola".

Kudo, Y.

Materials for a flora of Formosa. I- Journ. Soc. Trop. Agr. Japan. 2: 145-149. O.1930. no.2.

Suzukia gen.nov., S.shikikunensis, sp.nov.

Masamune, G.

Contribution to our knowledge of the flora of the southern part of Japan. II. Journ. Soc. Trop. Agr. Japan. 2: 151-155. O.1930. no.2.

Cynoglossum formosanum f.albiflorum, form.nov., Jasminum taiwanianum, sp.nov., Mazus alpinus, sp.nov.

Journ. Washington Acad. Sci.

Leonard, E. C.

The genus Trichanthera. Journ. Washington Acad. Sci. 20: 484-488. illus. D.4, 1930. no.20.

T.corymbosa n.sp.

Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indie. (Buitenzorg)

Toxopeus, H. J.

De polyembryonie van citrus en haar beteekenis voor de cultuur. (The polyembryony of citrus and its significance for citrus cultivation) Landbouw Tijdschr. Vereen. Landb. Nederl.-Indië. 6: 391-405. illus. O.1930. no.4.

English summary: p.405.

Veer, H. de.

De selectie van kapok. Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indie. 6: 377-390. O. 1930. no.4.

English summary: p.389-390.

Landw. Versuchsst. (Berlin)

Schmidt, E.

Beiträge zur mikroskopischen diagnostik von früchten und samen der wichtigsten Polygonumarten unter besonderer berücksichtigung ihres vorkommens als unkrautbesatz in saatwaren und futtermitteln. Landw. Versuchsst. 111: 169-259. 1930. no.3/4.

London Nat.

Watson, W.

Brambles of Kent and Surrey. 3. London Nat. 1929: 70-76. 1930.

Meded. Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen.

Roodenburg, J.W.M.

Kunstlichtcultuur. (Cultivation of plants in artificial light). Meded. Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen. no.14. 68 p. illus., 14 pl. on 9. 0.1930.

English summary: p.62-66.

Mem. Dept. Agr. India Bot.Ser.

Ram, K.

Studies in Indian oil seeds. 4. The types of Sesamum indicum, D.C. Mem. Dept. Agr. India Bot.Ser. 18: 127-147. 7 pl. on 6 (part col.) Jl.1930. no.5.

Mezögazd. Kutat. Budapest.

Schilberszky, K.

A burgonyarák behurcolásának elhárítása. (Das verhüten einer einschleppung des kartoffelkrebses). Mezögazd. Kutat. Budapest. 3: 456-462. N.1930. no.2.

German summary: p.461-462.

Missouri Bot. Gard. Bull. (St.Louis)

Hogstad, A.jr.

The three hundredth anniversary of the first recognized use of cinchona held at the Missouri Botanical Garden, Oct.31 and November 1,1930. Missouri Bot. Gard. Bull. 18: 141-154. 4 pl. on 3. N.1930. no.9.

Möller's Deut. Gärtn.-Zeit. (Erfurt)

Aztekium ritteri Bod. Möller's Deut. Gärtn.-Zeit. 45: 403-404. illus. D.1, 1930. no.34.

Dellinger, O.

Zum beitrag über nelkenkultur. Wirksame bekampfung von krankheiten und schadlingen. Möller's Deut. Gärtn.-Zeit. 45: 404-405. illus. D.1,1930. no.34.

Garbari, C.

Zur Cymbidium-zucht. Orchideen-keimung mit hilfe von wurzelpilz. (cont.) Möller's Deut. Gärtn.-Zeit. 45: 402-403. illus. D.1,1930. no.34.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin)
Hilgendorff, G.
Ueber die bestimmung des beizbelages and trockengebeizten getreide. II. Nachrichtenbl. Deut. Pflanzenschutzd. 10: 99-100. D.1930. no.12.

Nature. (London)
Hanna, W.F. & Popp, W.
Relationship of the oat smuts. Nature. 126: 843-844. N.29, 1930. no.3187.

Obst- u. Gemüseb. (Berlin)
Erven, Heinz.
Die streifen- und die sklerotienskrankheit der tomate, zwei für Deutschland neue krankheiten. Obst- u. Gemüseb. 76: 180-181. illus. N.15, 1930. no.11.

Oester. Zeitschr. Kartoffelb. (Wien)
Fischer, R.
Glasige kartoffeln. Oester. Zeitschr. Kartoffelb. 1930: 81-82. D.1930. no.4.

Fischer, R.
Lagerkrankheiten der kartoffeln und ihre verhutung. Oester. Zeitschr. Kartoffelb. 1930: 72-77. D.1930. no.4.

Neumann, H.
Phytophthorabekampfungsversuche. Oester. Zeitschr. Kartoffelb. 1930: 78-80. illus. D.1930. no.4.

Pharm. Zentralh. (Dresden)
Richter, J.
Insektenfressende pflanzen. Pharm. Zentralh. 71: 737-744. N.20, 1930. no.47.

Philipp. Journ. Sci. (Manila)
Francisco, A.D. & Wester, P.J.
Analysis and food value of some unusual Philippine fruits. Philipp. Journ. Sci. 43:555-659. D.1930. no.4.

Santos, A. C.
Alkaloid from Anona reticulata Linnaeus. Philipp. Journ. Sci. 43: 561-564. D.1930. no.4.

Phytopath.

Brewer, P.H., Kraybill, H.R., Samson, R.W. & Gardner, M.W.

Purification and certain properties of the virus of typical tomato mosaic. Phytopath 20: 943-950. D.1930. no.12.

Dillon Weston, W.A.R. & Halnan, E.T.

The fungicidal action of ultra-violet radiation. Phytopath. 20: 959-965. illus. D.1930. no.12.

Eaton, F. M.

The effect of boron on powdery mildew and spot blotch of barley. Phytopath. 20: 967-972. illus. D.1930. no.12.

Evans, M.M. & Harrar, G.

Germination of the oospores of Sclerospora graminicola (Sacc.) Schroet. Phytopath. 20: 993-997. illus. D.1930. no.12.

Humphrey, H. B. & Cromwell, R.O.

Stripe rust, Puccinia glumarum, on wheat in Argentina. Phytopath. 20: 981-986. D.1930. no.12

Reddick, D.

Frost-tolerant and blight-resistant potatoes. Phytopath. 20: 987-991. D.1930. no.12.

Experiments with Solanum commersonii, S. demissum & S. tuberosum.

Reichert, I.

Citrus diseases new to Palestine. Phytopath. 20: 1003. D.1930. no.12.

Reichert, I.

Diseases, new to citrus, found in Palestine. Phytopath. 20: 999-1002. illus. D.1930. no.12.

Little leaf, stem spots, dying back of stock stubs, spots below the scion, stem rot.

Reichert, I.

The susceptibility of American wheat varieties resistant to Tilletia tritici. Phytopath. 20: 973-980. D.1930. no.12.

Phytopath. (cont.)

Rodenhiser, H. A.
Physiologic specialization and mutation in Phlyctaena linicola Speg. Phytopath. 20: 931-942. illus. D.1930. no. 12.

Shear, C. L.
Franklin Sumner Earle, 1856-1929. Phytopath. 20: 923-929. port. D.1930. no.12.

Sideris, C.P. & Paxton, G. E.
Heart rot of pineapple plants. Phytopath. 20: 951-958. illus. D.1930. no.12.
Due to Phytophthora meadii, P. melongenae, or Pseudophythium phytophythoron new genus (description to be published in Mycologia)

Verall, A. F.
Die-back of elm in Minnesota. Phytopath. 20: 1004-1005. D.1930. no.12.
Organism undetermined, belongs in Sphaeropsidales possibly near Cytosporella.

Phytopath. Zeitschr. (Berlin)

Isenbeck, K.
Untersuchungen über Helminthosporium gramineum Rabh. Im rahmen der immunitätszüchtung. Phytopath. Zeitschr. 2: 503-555. 1930. no.5.

Kotte, W.
Ueber den einfluss der H-ionen-konzentration auf das wachstum einiger phytopathogener bakterien. Phytopath. Zeitschr. 2: 443-454. illus. 1930. no.5.

Rathschlag, H.
Studien über Helminthosporium avenae. Phytopath. Zeitschr. 2: 459-492. illus. 1930. no.5.

Rathschlag, H.
Zur spezialisierung der auf Vicia faba parasitierenden Ascochyta. Phytopath. Zeitschr. 2: 493-501. illus. 1930. no.5.

Rochlin, E.
Zur anatomie der mosaikkranken kartoffelpflanzen. Phytopath. Zeitschr. 2: 455-468. 3 pl. on 2. 1930. no.5.

Planta Arch. Wiss. Bot.(Berlin)

Freytag, H.
Untersuchungen über die plagiotropie der blätter von Tropaeolum maius. Planta Arch. Wiss. Bot. 12: 267-292. illus. N.18, 1930. no.2.

Godnew, T.N. & Korschenewsky, S.K.
Ueber die assimilation des formaldehyd durch die blätter einiger pflanzen. Planta Arch. Wiss. Bot. 12: 184-190. illus. N.18, 1930. no.2.

Gussewa, K.
Ueber die geschlechtliche und ungeschlechtliche fortpflanzung von Oedegonium capillare Ktz. im lichte der sie bestimmenden verhältnisse. Planta Arch. Wiss. Bot. 12: 293-326. illus. N.18, 1930. no.2.

Hennings, F.
Untersuchungen über die plagiotropie der Coleusseitensprosse. Planta Arch. Wiss. Bot. 12: 239-266. illus. N.18, 1930. no.2.

Kurbatov, M. I. & Leonov, N.D.
Ueber den einfluss der temperatur auf die atmung der keimlinge von Phaseolus aureus. Planta Arch. Wiss. Bot. 12: 147-166. N.18,1930. no.2.

Loui, J.von.
Fluoreszenzmikroskopische und zytologische untersuchungen über die frage der individualität der plastiden. Planta Arch. Wiss. Bot. 12: 191-238. illus. N.18, 1930. no.2.

Plotnikowa, T. W.
Zytologische untersuchung von bastarden zwischen 28-chromosomigen weizen and roggen. Planta Arch. Wiss. Bot. 12: 167-183. illus., N.18,1930. no.2.

Ssawostin,P.W.
Magnetwachstumsreaktionen bei pflanzen. Planta Arch. Wiss. Bot. 12: 327-330. N.18,1930. no.2.

Proc. Biol. Soc. Washington.
Ames, O. & Schweinfurth, C.
A new species of Pleurothallis from Mexico. Proc. Biol. Soc. Washington. 43: 195-196. D.6, 1930.
P. unguicallosa

Proc. Imp. Acad.Toyko.
Ito, S.
On some new ascigerous stages of the species of Helminthosporium parasitic on cereals. Proc. Imp. Acad. Tokyo. 6: 352-355. O.1930. no.8.
Ophiobolus setaria, Pyrenophora graminea, P.japonica, ~~P.~~ avenae, n.spp.

Proc. Nat. Acad. Sci.
Stadler, L. J.
Recovery following genetic deficiency in maize. Proc. Nat. Acad. Sci. 16: 714-720. N.1930. no.11.

Queensl. Nat. (Brisbane)
Herbert, D. A.
The plant ecology of Palm Island. Grassland. (cont.) Queensl. Nat. 7: 87-88. O.1930. no.5.

Repert. Spec. Nov. Fedde.(Berlin)
Aellen, P.
Chenopodium ulbrichii Aellen aus Abessinien. Repert. Spec. Nov. Fedde. 28: 104-105. O.31, 1930. no.6/13.

Dinter, K.
Sarcocaulon multifidum (E.Mey.) R.Knuth. Repert. Spec. Nov. Fedde. 28: 106-108. O.31, 1930. no.6/13.

Henrard, J.T.
Panicum johannense spec.nov. from Comoro Islands. Repert. Spec. Nov. Fedde. 28: 105-106. O.31, 1930. no.6/13.

Holzfuss, E.
Botanische novitaten der genera Rubus und Rosa. Repert. Spec. Nov. Fedde. 28(Repert. Europ. & Med. 3,11/16): 203-204. O.31,1930. no.6/13.

Repert. Spec. Nov. Fedde.(cont.)

Hruby, J.
Rubi peninsulae balcanae. Repert. Spec. Nov. Fedde. 28(Repert. Europ. & Med.3, 11/16): 140-202. pl.civ-cvii. 0.31,1930. no.6/13.

Knuth, R.
Dioscoreaceae novae decas 3-5 (& Geraniaceae novae). Repert. Spec. Nov. Fedde. 28: 81-83. 0.31,1930. no.6/13.
Nos. 41-50 are Geraniaceae.

Krause, K.
Beitrage zur flora Kleinasiens. V. Repert. Spec. Nov. Fedde. 23(Repert. Europ. et Med. v,3, no.11/16): 113-139. 0.31, 1930. no.6/13.

Mansfeld, R.
Orchideologische mitteilungen. I- Repert. Spec. Nov. Fedde. 28: 93-96. 0.31,1930. no.6/13.

Melchior, H.
Ein neues veilchen (Viola saccata spec.nov.) aus Peru. Repert. Spec. Nov. Fedde. 28: 96-97. 0.31,1930. no.6/13.

Morton, F.
Planta nova florae Guatemalensis. Repert. Spec.Nov.Fedde. 28: 108-109. 0.31,1930. no.6/13.
Urostachys mortonii.
Collecta a Dr.F. Morton in itinere 1928/29.

Poellnitz, K.v.
Apicra egragia v. P. spec.nova. Repert. Spec. Nov. Fedde. 28: 100-101. 0.31,1930. no.6/13.

Poellnitz, K.v.
Zur kenntnis der gattung Anacampseros L. IV. Repert. Spec. Nov. Fedde. 28: 97-100. 0.31,1930. no.6/13.

Poellnitz, K.v.
Zur kenntnis der gattung Haworthia Duv. II. Repert. Spec. Nov. Fedde. 28: 101-104. 0.31, 1930. no.6/13.

Schulz-Korth, K.
Miscellanea lichenologica I. Repert. Spec. Nov. Fedde. 28(Repert. Europ. & Med. 3, 11/16): 203-204. 0.31,1930. no.6/13.

Repert. Spec. Nov. Fedde. (cont.)

Wein, K.

Ist Lotus graecus L. (1767) synonym von Dorycnium latifolium Willd. (1800)? Repert. Spec. Nov. Fedde. 28(Repert. Europ. & Med. 3,11/16): 207-208. O.31,1930. no.6/13.

His answer is negative.

Wolff, H.

Umbelliferae Asiaticae novae relictae. IV. Repert. Spec. Nov. Fedde. 28: 109-112. O.31, 1930. no.6/13.

Rep. Agr. Dept. St. Vincent.

Work connected with insect and fungus pests and their control. Rept. Agr. Dept. St. Vincent. 1929: 7-10. 1930.

Rev. Bot. Appl. (Paris)

Chevalier, A.

Les dattiers de l'Afrique occidentale et de l'Afrique equatoriale françaises. Rev. Boy. Appl. 10: 807-810. O.1930. no.110.

Pittier, H.

A propos des cacaoyers spontanés. Rev. Bot. Appl. 10: 781. O.1930. no.110.

Theobroma.

Uphof, J. C. Th.

La pacanier en Amérique. Rev. Bot. Appl. 10: 791-806. O.1930. no.110.

Collardet, J.

Les acajous, les Khaya sont-ils des acajous? Act. Compt. Rend. Assoc. Colon.-Sci. 6: 197-209. O.1930. (with Rev. Bot. Appl. v.10, no.110)

Rev. Facul. Agron. & Vet. Univ. Buenos Aires.

Parodi, L. R.

Ensayo fitogeográfico sobre el partido de Pergamino. Estudio de la pradera pampeana en el norte de la provincia de Buenos Aires. Rev. Facul. Agron.& Vet. Univ. Buenos Aires. 7: 65-271. illus., 16 pl. on 8., maps. O.1930. no.1.

Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay (Asuncion)

Fiebrig-Gertz, C.

Apinagia guairaensis. Eine polstesförmige podestemacee des Guayra - Falles. Rev. Jard. Bot. y. Mus. Hist. Nat. Paraguay. 2: 89-98. pl.9-21. 1923 (1930)

Fiebrig-Gertz, C.

La flora del Jardín botanico de la Trinidad Asunción. II. Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay. 2: 1-75. 7 pl., fold.tab. 1923 (1930)

Fiebrig-Gertz, C.

Guarany names of Paraguayan plants and animals. Rev. Jard Bot. y Mus. Hist. Nat. Paraguay. 2: 99-149. 1923(1930)

Rojas, T.

Herbario del Jardin botánico del Paraguay (Especies determinadas hasta la fecha) (cont.). Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay. 2: 154-192. 1923(1930).

Rhodesia Agr. Jour. (Salisbury)

Hopkins, J.C.F.

The preparation of Bordeaux mixture and seasonal notes on tobacco diseases. Rhodesia Agr. Journ. 27:1167-1172. N.1930. no.11.

Rhodora. (Boston)

Ewer, S. J.

Notes on Katahdin plants. Rhodora. 32: 259-261. D.1930. no.384.

Farwell, O. A.

Aira spicata, Linn, and the application of the international rules. Rhodora. 32: 261-263. D. 1930. no.384.

Panicum spicatum.

Fogg, J.M. jr.

The flora of the Elizabeth Islands, Massachusetts. (cont.) Rhodora 32: 263-281. D.1930. no.384.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.)(Poznán)

Rogozinski, A.

Wpływ suszy na plon pszenicy ozimej i na zmienność jej cech morfologicznych i anatomicznych (Der einfluss der trockenheit auf den ertrag und auf der variabilität morphologischer und anatomischer merkmale, des winterweizens). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 24: 241-280. illus. 1930. no.2.

Polish with German summary.

Rubber Res. Scheme, Ceylon. Circ.

Murray, R.K.S.

Proposals for further dusting experiments against Oidium on Kandanuwara Estate, Matale. Rubber Res. Scheme, Ceylon. Circ. 7: 54-55. S.1930. no.3.

Murray, R.K.S.

A recent outbreak of Xylaria thwaitesii root disease. Rubber Res. Scheme, Ceylon. Circ. 7: 49-50. S.1930. no.3.

Science. (Lancaster, Pa.)

Couch, A. B.

A method to soften tissue already imbedded in paraffin. Science. 72: 607-608. D.12,1930. no.1876.

Hopkins, E. F.

The necessity and function of manganese in the growth of Chlorella sp. Science. 72: 609-610. D.12,1930. no.1876.

Mulvania, M.

New types of plants in Florida. Science. 72: 603-604. D.12,1930. no.1876.

Cassia rotundifolia, Solanum jamaicense, Aeschynomene americana.

Woods, A. F.

The relation of scientific research to agricultural progress. Science. 72: 563-566. D.5,1930. no.1875.

Science Journ. Coll. Sci. Sun Yatsen Univ.

Chun, W. Y.

[A record of the genus Ormosia in Kwangtung]. Science Journ. Coll. Sci. Sun Yatsen Univ. 2(3): 43-58. illus. (incl. map) Je.1930 (Rec'd D.)

Chinese.

Map gives distribution of Ormosia in China.

Sci. Rep. Tohoku Imp. Univ. 4. ser. (Biol.) (Sendai)

Horikawa, Y.

The vegetation of Mt. Hakkôda. Sci. Rep. Tohoku Imp. Univ. 4 Ser. (Biol.) 5: 555-571. illus., pl. xvi-xx, fold.map. O.1930. no.3.

Sci. Rep. Tohoku Imp. Univ. 4 ser. (Biol. (cont.)

Inoh, S.

Embryological studies on Sargassum. Sci. Rep. Tohoku Imp. Univ. 4 ser. (Biol.) 5: 423-438. illus. O.1930. no.3.

Okahara, K.

Physiological studies on Drosera. I- On the proteolytic enzyme of Drosera rotundifolia. Sci. Rep. Tohoku Imp. Univ. 4. ser. (Biol.) 5: 573-590. O.1930. no.3.

Takamatsu, M.

Studien über die mykorrhiza-pflanzen im Solfataren-gebiete und dem berg Hakkôda. Sci. Rep. Tohoku Imp. Univ. 4. ser.(Biol.) 5: 607-614, illus. O.1930. no.3.

Scient. Agr. (Ottawa)

Hanna, W. F. & Popp, W.

Bunt of wheat in western Canada. Scient. Agr. 11: 200-207. illus. D.1930. no.4.

Harris, G. H.

Studies on tree root activities III. Scient. Agr. 11: 191-199. illus. D.1930. no.4.

Silva Fennica (Helsinki)

Cajander, A. K.

Wesen und bedeutung der waldtypen. Silva Fennica. no.15. 66 p. 1930.

Pt. 2 of his "Ueber waldtypen".

So. African Gard. (Johanessburg)

Bolus, L.

Plants - New or noteworthy. (cont.) Geissorhiza heterostyla, L. Bolus and Geissorhiza inaequalis, L. Bolus - new species. So. African Gard, 20: 345-346. illus. N.1930. no.11.

South. Flor. (Fort Worth, Tex.)

Shippy, W. B.

Bulb diseases and their control. South Flor. 30(11): 14-15. D.12,1930. no.11.

Das. Superphosphat (Berlin)

Crüger

Schwarzbeinigkeit des weizens. Das Superphosphat. 6: 206-207. N.5,1930. no.10.

Schlumberger, O.

Kartoffelkrankheiten und düngung. Das Superphosphat. 6: 51-52. Mr. 5,1930. no.3.

Trans. Bot. Soc. Edinb.

Boyd, L.

Development and anatomy of monocotylous seedlings: I. Paris polyphylla. 2. Costus speciosus. Trans. Bot. Soc. Edinb. 30: 218-229. illus.1930. no.3.

Drabble, E.

A list of Scottish pansies. Trans. Bot. Soc. Edinb. 30: 190-197. 1930. no.3.

Foister, C. E.

A note on a rare parasitic fungus on Myrica gale L. - Ovularia destructiva (Phil. & Plow.) Massee. Trans. Bot. Soc. Edinb. 30: 244-245. 1930. no.3.

Graham, R.J.D. & Stewart, L.B.

Experiments with vita glass. Trans. Bot. Soc. Edinb. 30: 213-2125. 1930. no.3.

Graham, R.J.D. & Stewart, L.B.

Vegetative propagation of broccoli from heads. Trans. Bot. Soc. Edinb. 30: 216-217. pl.xv. 1930. no.3.

Matthews, J. R.

Notes on Galloway roses. Trans. Bot. Soc. Edinb. 30: 239-243. 1930. no.3.

Smith, E. P.

Flower colours as natural indicators. Trans. Bot. Soc. Edinb. 30: 230-238. 1930. no.3.

Smith, M. H.

Leaf anatomy of the British heaths. Trans. Bot. Soc. Edinb. 30: 198-205. illus. 1930. no.3.

Whyte, J.H.

The recognition of some agricultural grasses by their vegetative characters. Trans. Bot. Soc. Edinb. 30: 206-208. 1930. no.3.

Whyte, J.H.

The spread of bracken by spores. Trans. Bot. Soc. Edinb. 30: 209-211. 1930. no.3.

Tropenpfl. (Berlin)
Uphof, J. C. Th.
Die temple-mandarine, eine neue citrussorte. Tropenpfl. 33: 453-455. illus. N.1930. no.11.

Trop. Agr. (Ceylon) (Peradeniya)
Soyza, D. J. de.
Weeds. Trop. Agr. (Ceylon) 75: 198-205. O.1930. no.4.

Die Umschau. (Frankfurt)
Hübner,
Hochfrequenzwirkungen an pflanzensamen. Pflanzen unterliegen keiner suggestion. Die Umschau. 34: 946-947. illus. N.22,1930. no.47.

Verhandl. Naturf. Ver. Brünn.
Fröhlich, A.
Abhängigkeit des vorkommens von Saxifraga aizoon u. Diplanche serotina von der exposition. Verhandl. Naturf. Ver. Brünn. 61: 87-94. 1930.

Gilli, A.
Die pflanzenformationen des Steinitzer Waldes. Verhandl. Naturf. Ver. Brünn. 61: 23-31. 1930.

Hruby, J.
Die vegetationsverhältnisse Westmahrens. 3. Beitrag. Verhandl. Naturf. Ver. Brünn. 61: 33-86, 5 pl. on 3. 1930.

Wildt, A.
Weiteres aus Mährens flora. Verhandl. Naturf. Ver. Brünn. 61: 20-22. 1930.

Vict. Nat. (Melbourne)
Daley, C.
History of Flora australiensis. Complementary letters. Vict. Nat. 47: 113-115. N.1930. no.7.

Nichols, W. H.
The elbow orchid. Vict. Nat. 47: 116-117. N.1930. no.7.
Spiculaea huntiana.

Williamson, H. B.
The genus Goodia. Vict. Nat. 47: 110-112. N.1930. no.7.
G. lotifolia and G. medicaginea two distinct species.

Zeitschr. Forst- u. Jagdw. (Berlin)

Hartmann, F.K.

Zur soziologisch-ökologischen charakteristik von waldbeständen Norddeutschlands. Zeitschr. Forst- u. Jagdw. 62: 749-778. 1 fold. tab. N. 1930. no.1.

Ein beitrag zur beschaffung der pflanzensoziologischen grundlagen für die unterscheidung neuer wald- und bestandestypen und zur entwicklungsgeschichte unserer wälder.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)

Krumbholz, G.

Ueber verschiedenheiten in der embryonengrösse einiger Oenotheren und ihrer reziproken bastarde. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56: 383-392. illus. 1930. no.3/4.

Simon, S. V.

Studien zur genetik der nachkommen einer vergrünten mutante von Torenia fournieri. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 56: 393-434. illus., 3 fold. tab. 1930. no.3/4.

Zeitschr. Wiss. Mikros. (Leipzig)

Kisser, J.

Die herstellung von anthrakogrammen von mazerationspräparaten. Zeitsch. Wiss. Mikros. 47: 335-338. O.1930. no.3.

Kisser, J.

Methodik der darstellung von Kieselskeletten aus epidermen und kutikulen. Zeitschr. Wiss. Mikros. 47:338-342. O.1930. no.3.

Zeitschr. Zuckerind. Cechoslovak. Rep.

Stehlik, V.

Einfluss der witterung auf die entwicklung der jungen rübe und die entstehung ihrer krankheiten. Zeitschr. Zuckerind. Cechosl. Rep. 54: 683-689, 691-696. illus. Ag.22,29, 1930. no.51,52.

Der Züchter. (Berlin)

Appel, O.

Pflanzenpathologie und pflanzenzüchtung. Der Züchter. 2: 309-313. N.1930. no.11.

Der Züchter (cont.)

Gassner, G. & Straib, W.

Ueber das auftreten einer neuen gelbrostform auf weizen. Der Züchter. 2:313-317. illus N.1930. no.11.

Reiling, H.

Eine züchterische studie zur dürrfleckenkrankheit der kartoffel. Der Züchter. 2: 317-324. illus. N.1930. no.11.

Troll, H. J.

Die bedeutung der blüh- und befruchtungsverhältnisse von gräsern für ihre zuchtung. Der Züchter. 2:330-336. N.1930. no.11.

Exper. Stat. Publ.

Plagge, H. H. & Gerhardt, F.

Acidity changes associated with the keeping quality of apples under various storage conditions. Iowa Agr. Exp. Stat. Res. Bull. 131: 344-358. Je. 1930 (Rec'd D.)

Dutton, W. C.

Arsenical sometimes injures peach trees. Care in mixing and applying sprays reduces foliage damage without affecting insect control. Michigan Agr. Exp. Stat. Quart. Bull. 13: 55-56. N.1930. no.2.

O'Kelly, J. F.

Cotton inheritance studies. Lint percentage. Mississippi Agr. Exp. Stat. Tech. Bull. 18. 15 p. S.1930 (Rec'd D.)

Potter, G. F. & Phillips, T. G.

Composition and fruit bud formation in non-bearing spurs of the Baldwin apple. New Hampshire Agr. Exp. Stat. Tech. Bull. 42. 41 p. Je.1930 (Rec'd D.)

Dunn, S.

The relation of hydrophilic colloids to hardiness in the apple as shown by the dye adsorption test. New Hampshire Agr. Exp. Stat. Tech. Bull. 44. 18 p. Ag.1930 (Rec'd D.)

Potter, G.F., Graybill, H.R., Wentworth, S. W., Sullivan, J. T. & Blood, J.T.

Some effects of defloration on fruit spur composition and fruit bud formation in the Oldenburg apple. New Hampshire Agr. Exp. Stat. Techn. Bull. 41. 26 p. Je. 1930 (Rec'd D.)

Exper. Stat. Publ. (cont.)

New Jersey agricultural experiment station - Dept. of plant pathology.
Maple wilt. Its Nursery Dis. Notes v.3, no.6. 4 p. D.1930.
Mimeographed.
Verticillium disease of Berberis: p 4.
Bacterial leaf spot of Hedera helix: p.4.

Shoemaker, J.S. & Greve, E. W.
Relation of nitrogen fertilizer to the firmness and composition of strawberries. Ohio Agr. Exp. Stat. Bull. 466. 20 p. illus. N.1930.

State Publications.

Fall weeds. Cornell Rural School Leafl. v.24, no.2. 44 p. illus., port. N.1930.
Portrait of Anna Bostford Comstock and sketch of her life included.

Talbert, T. J.
Apple scab and its control. Missouri Agr. Ext. Serv. Circ. 243, 4 p. Mr.1930 (Rec'd D.)

New Books.

Beauseigneur, A.
Contribution à l'étude de la flore mycologique des landes (Basidiomycètes). Saint-Sever-sur-Adour, J. Glize, 1926.

Crawshay, R.
The spore ornamentation of the Russulas. London, Baillière, Tindall & Cox, 1930.

Geitler, L.
Cyanophyceae (Blaualgen)... Leipzig, Akademische verlagsgesellschaft... 1930 (Dr. L. Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz. Hrsg. von Dr. Kolkwitz... 14 bd., lfg. 1)

Gilbert-Carter, H.
Our catkin-bearing plants. An introduction. Oxford, Clarendon Press, 1930.

Goebel, K. & Sandt, W.
Untersuchungen an luftwurzeln, Jena. G. Fischer, 1930 (Botanische abhandlungen hrsg. von K. Goebel, h. 17)

New Books (cont.)

González Retuerta, M.
Tratado completo del cultivo del algodonero en los tropicos. Madrid, 1924.

Jumelle, H.L.
Plantes a latex et a résines. 3 ed. Paris, J.B. Baillière et fils, 1928 (Les cultures et a résinés v.7.)

Keller, G. & Schlechter, R.
Monographie und iconographie der orchideen Europas und des Mittelmeergebietes bd. II, lfg. 1. Dahlem bei Berlin, 1930 (Repertorium specierum novarum regni vegetabilis. Sonderbeiheft A)

Lesourd, F.
La culture du cresson. Paris, [1930?]

Muenscher, W. C.
Keys to woody plants. 3d ed., rev. Ithaca, 1930.

North American flora. v.23, pt. 4-5. [New York] New York botanical garden, N.18, D.6, 1930. pt.4. Krameriaceae, by N.L. Britton. Caesalpiniaceae by N.L. Britton, & J.N. Rose. pt. 5. Caesalpiniaceae (concl.) by N.L. Britton & J.N. Rose.

Petelot, P. A. & Magalon, M.
Eléments de botanique indochinoise. Hanoi, Imprimerie d'Extrême-orient, 1929.

Schmucker, T.
Endemismen und charakterpflanzen von Kreta. In Karsten, G. Vegetationsbilder 21 r., h.5. pl. 25-30. 1930.

Strasburger, E.
Strasburger's text-book of botany. Re-written by H. Fitting, H. Sierp, R. Harder, G. Karsten. 6th English ed. transl. from 17th German ed. by W. H. Lang. London, Macmillan & Co., 1930.

Strausbaugh, P. D.
Plant life of West Virginia. West Virginia Encyclopedia. 1929: 678-789. illus.

New Books (cont.)

Taliev, V. I.
...[General diagnosis of plant diseases]
Moscou, Leningrad, 1930.
Russian.

Translations filed in Library of Bur. of Plant Industry.

Backer, C.
Beschrijving der soorten van het suikerriet 14. bijdrage. Determinatie-tabel voor de in 1925 op Java meest aangeplante rietsoorten (Description of sugar cane varieties. Contribution 14. Determination table for the most frequently planted cane varieties in Java in 1925)
Nederl.-Indië. 34(3): 471-512. 1926.

Jørstad, I.
Nord-Norges skogsykdommer (Forest tree diseases in Northern Norway). Tidsskr. Skogsbruk. 8: 365-456. 1928.

Stehlik, V.
Einfluss der witterung auf die entwicklung der jungen rübe und die entstehung ihrer krankheiten. (Influence of the weather on young beet plants and on the origin of their disease). Zeitschr. Zuckerind. Cechosl. 54: 683-689, 691-696. 1930.

Tobler, F.
Zur kenntnis der anatomie von agavefasern(sisal) und ihrer verwertung für sortenunterscheidungen (Anatomy of agave fivers(sisal) and their utility for distinction of varieties). Faserforsch. 8: 255-270. 1930.

Urban, J.
Topographie des zuckers und nichtzuckers in der zuckerrübenwurzel (Distribution of sugar and non-sugars in the sugar beet root). Zeitschr. Zuckerind. Bohmen. 32: 17-24. 1907.

Wollman, E.
Bactériophagie et processus similaires, hérédité ou infection? (Bacteriophage and similar processes, heredity or infection?) Bull. Inst. Pasteur. 26: 1-14, 49-56. 1928.

copy

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C

Vol. 12, no. 27. Dec.20,1930-Ja.3,1931.

Agr. Prat. Pays Chauds. (Paris)
Rivière, Charles.
Les dattiers d'Algéric. Agr. Prat. Pays Chauds n.s.,1: 403-412. illus. D.1930. no.6.

Agronoomia (Tartu, Esthonia)
Zolk, K.
Karusmarja-jahukaste (Sphaerotheca mors-uvae (Schw.) Berk. et Curt.) ja selle tõrje. Agronnomia. 10: 421-427, 443-458. illus. 1930. no.10,11.
Esthonian.

Almanak Agr. Bras. (Sao Paulo)
Bitancourt, A.
Leguminosas brasileiras para substituir a alfalfa. Marmelada de cavallo, barbadinho, trifolio, meladinho. Almanak Agr. Bras. 19: 229-240. illus. 1930.
Meibomia discolor, M.barbata, Stylosanthes guyannensis & var.sub-viscosa.

Navarro de Andrade, E.
O cinnamomo, Melia azedarach Lin. Almanak Agr. Bras. 18: 99-105. illus. 1929 (Rec'd D.1930)

Navarro de Andrade, E.
Contribuição para o estudo da flora florestal Paulista. Almanak Agr. Bras. 19: 87-94. illus. 1930.

Ronna, E.
Pastos natural e artificial das abelhas. Flora apistica do Rio Grande do Sul. Almanak Agr. Bras. 19: 113-129. illus. 1930.

Amer. Nut Journ. (Rochester, N.Y.)
Bixby, W. G.
/ Progress needed for an improved beechnut. Amer. Nut Journ. 33:72. illus. D.1930

Ann. Crypt. Exot. (Paris)

Heim, R.

Revision des travaux parus jusqu'en 1928 sur la flore cryptogamique Africaine. V. Champignons et phytopathologie. Ann. Crypt. Exot. 3: 109-155. S.1930. no.2/3.

Potier de la Varde, R.

Revision des travaux parus jusqu'en 1928 sur la flore cryptogamique Africaine. IV. Mousses (Listo additive) Ann. Crypt. Exot. 3: 106-108. S. 1930. no.2/3.

Potier de la Varde, R.

Sur deux mousses indiennes. Ann. Crypt. Exot. 3: 101-105. S.1930. no.2/3.

Schwetsckea indica, Glossadelplus anisopterus.

Thériot, I.

Le genre Haplocladium en Asie et en Afrique. Essai de revision. Ann. Crypt. Exot. 3: 57-100. illus. S.1930. no.2/3.

Ann. Ecole Nat. Agr. Montpellier.

Hébrard, J.

Observations comparatives sur diverses variétés d'avoines à l'Ecole nationale d'agriculture de Montpellier. Ann. Ecole Nat. Agr. Montpellier 20: 188-203. [1930] no.3.

Kuhnholtz-Lordat, G.

A propos de taches localisées sur les feuilles de céréales. Ann. Ecole Nat. Agr. Montpellier. 20: 186-187. col.pl. [1930] no.3.

Ravaz, L.

Essais de traitement du court-noué. Ann. Ecole Nat. Agr. Montpellier. 20: 213-218. illus. [1930] no.3.

Ann. Missouri Bot. Gard. (St. Louis)

Mathias, M.E.

Studies in the Umbelliferae. III. A monograph of Cymopterus including a critical study of related genera. Ann. Missouri Bot. Gard. 17: 213-413. illus. pl.21-51. S./N. 1930. no.3/4.

Ann. Univ. Stellenbosch (Capetown)

Verwoerd, L.

Preliminary report on the occurrence in South Africa of black chaff disease in wheat. Ann. Univ. Stellenbosch. v.8,A, no.4. 4 p. 2 pl. N.1930. no.6.

Arch. de Bot. Caen Bull. Mens.

Geitler, L.

Différenciation, répartition et détermination du sexe chez les diatomées pennées. Arch. de Bot. Caen Bull. Mens. 3: 105-112. illus., pl.ii. Je. 1929 (Rec'd D.1930) no.6.

Malençon, G.

Observations sur les ornements des spores chez les champignons. Arch. de Bot. Caen Bull. Mens. 3: 121-129. illus.,pl.iii. Jl.1929(Rec'd D.1930) no.7.

Arch. Koffiecult. (Soerabia)

Steinmann, A.

On the occurrence of a fungus disease of nutmeg-fruits in Java and its control. Arch. Koffiecult. 4: 90-92. 5 pl. on 3., fold. tab. O.1930. no.2.

Coryneum myristicae n.sp.

Arch. Pharm. & Ber. Deut. Pharm. Ges.

Kondo, H. & Tomita, M.

Ueber die alkaloide der Berberis thunbergii, D.C. var. maximowiczii , Franch. I. Arch. Pharm. & Ber. Deut. Pharm. Ges. 268: 549-559. N.21, 1930. no.8.

Arch Protistenk. (Jena)

Gimesi, N.

Die begurt von Trachelomonas volvocina Ehrbg. Arch. Protistenk. 72: 190-197. pl.14. D.4, 1930. no.2.

Litschauer, V.

Ueber Stereum ambiguum Peck und Stereum sulcatum Burt, zwei neue Bürger der hymenomycetenflora Europas. Arch. Protistenk. 72: 302-310. illus.,col.pl.19. D.4, 1930. no.2.

Lohwag, H.

Mykologische studien IV. Zur entwicklungsgeschichte von Mutinus caninus (Huds.) Fr. Arch. Protistenk. 72: 214-246. pl.17-18. D.4, 1930. no.2.

Meyer, K. I.

Einige neue algenformen des Baikalsees. Arch. Protistenk. 72: 158-189. illus. D.4,1930. no.2.

Arch. Protistenk. (cont.)

Pascher, A.

Ueber einen grünen, assimilationsfähigen plasmodialen organismus in den blättern von Sphagnum. Arch. Protistenk. 72: 311-358. illus.,pl.20-21. D.4,1930. no.2.

Myxochloris sphagnicola.

Bergcultures (Batavia, Java)

Vox, W.A. de.

De bestrijding van meeldauw. Bercultures 4: 1258-1259. N.22, 1930. no.47.

Ber. Deut. Bot. Ges. (Berlin)

Blochwitz, A.

Mutationen der konidienfarbe bei aspergillen. Ber. Deut. Bot. Ges. 48: 325-328. N.27,1930. no.8.

Blochwitz, A.

Zur systematik der mucorineen. Ber. Deut. Bot. Ges. 48: 329-334. illus. N.27,1930. no.8.

Czaja, A.T.

Die photometrischen bewegungen der blätter von Aponogeton ulvaceus. Ber. Deut. Bot. Ges. 48: 349-362. illus. N.27, 1930. no.8.

Schaede, R.

Ueber die struktur des ruhenden kernes. Ber. Deut. Bot. Ges. 48: 342-348. pl.v. N.27,1930. no.8.

Seybold, A.

Ueber die blosslegung des wurzelsystems durch äolische und fluviatile erosion. Ber. Deut. Bot. Ges. 48: 335-341. illus. N.27,1930. no.8.

Ber. Ohara Inst. Landw. Forsch. (Kuraschiki)

Kondo, M. & Okamura, T.

Untersuchungen der verscheiden reiskörner geringerer qualität III-IV. Ber. Ohara Inst. Landw. Forsch. 4: 413-427, 429-445. pl.xxxv. 1930. no.4/5.

III. Ueber die grün gefärbten enthülsten reiskörner "aomai". IV. Der durch die feuchtigkeitszunahme verursachte querriss (doware) des reiskornes.

Kondo, M. & Okamura, T.

Vergleichende untersuchungen der physikalischen eigenschaften des enthülsten (genmai) und bespelzten reiskornes (momimai) IV. Vergleich der quantitativen eigenschaften des bespelzten, des enthülsten reiskornes und der spelze. Ber. Ohara Inst. Landw. Forsch. 4: 511-527. 1930. no.4/5.

Ber. Ohara Inst. Landw. Forsch. (cont.)
Nisikado, Y.
Vorläufige mitteilung über das zytologische verhalten von myzelzellen mit schnallenwirteln. Ber. Ohara Inst. Landw. Forsch. 4: 447-455. pl.xxxvi-xxxviii. 1930. no.4/5.
Stereum hirsutum.

Blumen u. Pflanzenb. (Berlin)
Dickau, F.
Meine erfahrungen in der bekämpfung der aeichenkrankheit an grossblumigen chrysanthemem. Blumen u. Pflanzenb. 45: 195-196. illus. D.1, 1930. no.12.

Bot. Mag. Tokyo.
Honda, M.
Nuntia ad floram Japonicae VII. Bot. Mag. Tokyo. 44: 407-410. Ag.1930. no.524.
Plectranthus axillariflorus, Saussurea sugimuria, S. higo-montana, Carex periculosa, C. tobae, C. nankaiensis, Vicia oiana n.spp.

Kakesita, K.
Preliminary report on studies of regeneration in stem cutting. Bot. Mag. Tokyo. 44: 411-421. illus. Ag.1930. no.524.
Experiments with Populus nigra.

Morinaga, T. & Fukushima, E.
Another new chromosome number in Brassica. Bot. Mag. Tokyo. 44: 373-374. Jl.1930. no.523.
Brassica carinata, 17 chromosomes.

Kumazawa, M.
Structure and affinities of Glaucidium and its allied genera. Bot. Mag. Tokyo. 44: 479-490. illus. (incl.map) S.1930. no.525.
Japanese.

Masamune, G.
Three species of Formosan plants which should be included in the genus Shiia Makino. Bot. Mag. Tokyo, 44: 405-406. Jl.1930. no.523.
Shiia brachyacantha (Castanopsis brachyacantha, Synaedrys brachyacantha), S. longicaudata (Quercus longicaudata, Pasania longicaudata, Lithocarpus longicaudata), S. stipitata (Snyaedrys stipitata, Lithocarpus stipitata).
Japanese.

Bot. Mag. Tokyo. (cont.)

Nakai, T.
Notulae ad plantas Japoniae & Koreae XXXIX. Bot. Mag. Tokyo. 44: 507-537. illus. O.1930. no.526.

Ogura, Y.
On the structure of Hawaiian tree ferns, with notes on the affinity of the genus Cibotium. Bot. Mag. Tokyo. 44: 467-478. illus. S.1930. no.525.

Ohki, K.
On the systematic importance of the spodograms of the leaves of the Bambuseae IX. Bot. Mag. Tokyo. 44: 537-545. illus. O.1930. no.526.
Japanese.

Ohtsuki, T.
Studien über den zuckerstoffwechsel von der konjak-pflanze. Bot. Mag. Tokyo. 44: 432-457. Ag. 1930. no.524.
Japanese.
Amorphophallus konjac.

Okada, Y. & Otaya, T.
Study of Euryale ferox Salisb. VI. Cleistogamous verus chasmogamous flowers. Bot. Mag. Tokyo. 44: 369-373. illus. Jl. 1930. no.523.

Ono, T.
Chromosomes of Rumex papilio Coss. et Bal. Bot. Mag. Tokyo. 44: 562-563. illus. O.1930. no.526.
Japanese.

Shibukawa, T.
The chromosome numbers in some species of Dianthus. Bot. Mag. Tokyo. 44: 561-562. illus. O.1930. no.526.
Japanese.

Shimotomai, N.
Ueber die chromosomenzahlen und die phylogenie bei der gattung Potentilla Bot. Mag. Tokyo. 44: 490-498. illus. S.1930. no.525.
Japanese with German summary.

Takenaka, Y. & Nagamatsu, T.
On the chromosomes of Lilium tigrinum, Ker-Gawl. Bot. Mag. Tokyo. 44: 386-391. illus. Jl.1930. no.523.
Japanese with English summary.

Bot. Mag. Tokyo. (cont.)

Tamiya, H. & Morita, S.

Bibliographie von Aspergillus 1729 bis 1929. XVII. (schluss) Autoren register. Bot. Mag. Tokyo. 44: 375-386, 421-431. Jl., Ag. 1930. no.523,524.

Yakushiji, E. & Kumazawa, M.

Eine auf käfern parasitierende pilzgattung Tilachlidiopsis aus Japan. Bot. Mag. Tokyo. 44: 461-463. illus. Ag.1930. no.424.

Japanese.

T. nigra n.sp.

Yasuda, S.

Physiological researches on the fertility in Petunia violacea VII. On the cause of the so-called "end-season fertility". Bot. Mag. Tokyo. 44: 392-403. Jl.1930. no.523.

Japanese with English summary.

Bot. Not. (Lund, Sweden)

Du Rietz, G. E.

Algbälten och vattenståndsväxlingar vid svenska Oestersjökusten. (Algal belts and changes of water-level on the Swedish Coast of the Baltic). Bot. Not. 1930: 421-432. 1930. no.6.

Swedish with English summary: p.431-432.

Du Rietz, G. E.

Studies in the taxonomy and ecology of Ceramium diaphanum in the Baltic. Bot. Not. 1930: 433-458. 1930. no.6.

Gustafsson, A.

Kastrierungen und pseudogamie bei Rubus. Bot. Not. 1930: 477-494. 1930. no.6.

Hässler, A.

Adolf Engler. En av den systematiska botanikens förgrundsgestalter. Bot. Not. 1930: 513-517. port. 1930. no.6.

Holmberg, O. R.

Hypochoeris glabra L. x radicata, L., nova hybr. Bot. Not. 1930: 413-416. 1930. no.6.

Bot. Not. (cont.)

Kylin, H.
Some physiological remarks on the relationship of the Bangiales. Bot. Not. 1930: 417-420. 1930. no.6.

Magnusson, A. H.
New or interesting Swedish lichens. VI. Bot. Not. 1930: 459-476. 1930. no.6.

Möller, H.
Sigfrid Olof Medelius. Bot. Not. 1930: 510-512. port. 1930. no.6.

Turesson, G.
Zur frage nach der spontaneität von Betonica officinalis L. in Schweden. Bot. Not. 1930: 495-506. illus. 1930. no.6.

Bull. Misc. Inform. Kew (London)

Bullock, A.A.
A new genus of Iridaceae from East Africa. Bull. Misc. Inform. Kew 1930: 465-466. no.10.
Oenostachys, O.dichroa.

Edward Morell Holmes. Bull. Misc. Inform. Kew 1930: 493-494. no.10.

Ernest Henry Wilson. Bull. Misc. Inform. Kew 1930: 498-499. no.10.

Gilliat-Smith & Turrill, W.B.
On the flora of the Nearer East: IX. A contribution to our knowledge of the flora of Azerbaidjan, N.Persia. IV. Bull. Misc. Inform. Kew 1930: 480-493. no.10.

Howes, F. N.
Jelutong. Bull. Misc. Inform. Kew 1930: 502-503.
Borneo jelutong is derived from Dyera lowii; Malayan jelutong is derived from D. costulata and D. laxiflora. It is used in U.S.A. as a substitute for chicle (the coagulated latex of sapodilla (Achras sapota).

John Masters Hillier. Bull. Misc. Inform. Kew 1930: 495. no.10.

Bull. Misc. Inform. Kew (cont.)

Osborn, A.

Adolf Engler. Bull. Misc. Inform. Kew 1930: 495-499. no.10.

Sandwith, N.Y.

Contributions to the flora of Tropical America: III. Annonaceae collected by the Oxford University Expedition to British Guiana, 1929. Bull. Misc. Inform. Kew 1930: 466-480. no.10.

Sir Francis Watts, K.C.M.G. Bull. Misc. Inform. Kew. 1930: 494-495. no.10.

Bull. Torr. Club.

Chrysler, M. A.

The origin and development of the vegetation of Sandy Hook. Bull. Torr. Club. 57: 163-176. illus. (map),pl.6-7. Mr.1930(Rec'd D.) no.3.

Morton, C. V.

Two new species of Meibomia from Mexico. Bull. Torr. Club. 57: 181-182. Mr.1930(Rec'd D.) no.3.

M. occidentalis, M. saxatilis.

Nichols, S. P.

The effect of chloroform upon the rotation in the internodes of Nitella. Bull. Torr. Club. 57: 153-160. illus. pl.5. Mr.1930. (Rec'd D.)no.3.

Smith, A. C.

Notes on Pteridophyta from Mount Roraima. Bull. Torr. Club. 57: 177-180. pl.8. Mr.1930 (Rec'd D.) no.3.

Syngramma brevifrons, Lycopodium tatei, n.spp., Cochlidium connellii n.comb.

Bull. Trim. Off. Rég. Agr. Midi France.

Fondard, L. & German, E.

Contribution à la génétique des blés de Provence. Bull. Trim. Off. Rég. Agr. Midi France. 1930: 337-359. illus. O.1930. no.36.

Calif. Citrogr. (Los Angeles)

Banker-grower develops a treatment for diseased trees. Calif. Citrogr. 16: 107, 115. illus. Ja.1931. no.3.

Formula for control of scaly bark and gummosis developed by S. W. Smith of Fullerton.

Compt. Rend. Acad. Agr. France. (Paris)

Lebard, P.

Relations entre l'altitude l'humidité et les substitutions de dégénérescence de la pomme de terre. Compt. Rend. Acad. Agr. France. 16: 999-1004. D.3, 1930. no.30.

Compt. Rend. Acad. Sci. Paris.

Chouard, P.

Régéneration de bulbilles sur les feuilles vertes de certaines liliacees. Compt. Rend. Acad. Sci. Paris 191: 1146-1148. D.8,1930. no.23.

Fosse, R., Brunel, A., de Graeve, P., Thomas, P.-E., & Sarazin, J.

Présence dans de nombreux vegétaux alimentaires de l'allantoïne, accompagnée ou non, d'acide allantoïque, d'allantoïnase et d'uricase. Compt. Rend. Acad. Sci. Paris 191: 1153-1155. D.8, 1930. no. 22.

Costantin, J. & Lebard, P.

Cultures exérimentales de pommes de terre dégénérées et saines en montagne et en plaine. Compt. Rend. Acad. Sci. Paris 191: 1038-1041. D.1,1930.no.22.

Gavaudan, P.

Sur quelques observations vitales concernant l'évolution du vacuome pendant la spermatogénèse des characées. Compt. Rend. Acad. Sci. Paris 191: 1070-1072. D.1, 1930. no.22.

Pontillon, C.

Variations des acides gras du Sterigmatocystis nigra en fonction de la composition minérale du liquide de culture. Compt. Rend. Acad. Sci. Paris 191: 1148-1151. D.8, 1930. no.23.

Compt. Rend. Soc. Biol. Paris.

Joyet-Lavergne, P.

Nouvelles recherches sur la sexualisation cytoplasmique des spores de la prêle, Equisetum arvense. Compt. Rend. Soc. Biol. Paris 105: 545-547. no.28, 1930. no.32.

Compt. Rend. Soc. Biol. Paris. (cont.)

Lenoir, M.

Constitution d'un tissu liquide nourricier aux dépens des couches de cellules sous-épidermiques du sporange chez Equisetum palustre L. Compt. Rend. Soc. Biol. Paris 105: 593-594. N.28, 1930. no.32.

Volkonsky, M.

Les constituants cytoplasmiques de Polytoma uvella Ehr. Existence d'un leucoplaste. Compt. Rend. Soc. Biol. Paris 105: 619-623. illus. D.5, 1930. no.33.

Volkonsky, M.

Les substances de réserve figurées de Polytoma uvella. Etude descriptive et expérimentale. Compt. Renc. Soc. Biol. Paris 105: 624-627. illus. D.5, 1930. no.33.

Ernähr. Pflanze. (Berlin)

Neuwirth, F.

Beziehung der rübennematode Heterodera schachtii Schmidt zur ernähring der zuckerrübe. Ernähr. Pflanze. 26: 526-532. illus. D.1,1930. no.23.

Facts about Sugar. (N.Y.)

Cook, M. T.

The geographical distribution of the diseases of sugar cane. Facts about sugar 26: 24-26. illus. (map) Ja.1931.

In Spanish. (Distribucion geográfica de las enfermedades de la caña de azúcar) in Rev. Agr. Puerto Rico 25: 170-173, 181. N.1930.

Gard. Chron. (London)

Brown, E.

Ripe rot of grapes. Gard. Chron. III, 88: 498-500. illus. D.13,1930. no.2294.

Brown, N. E.

Mesembryanthemum. (cont) Acaulon. Gard. Chron. III,88: 474-475. illus. D.6, 1930. no.2293.

Grove, A.

Plantae chinensis forrestianae (cont.) Gard. Chron. III, 88: 494-495. D.13, 1930. no. 2294.

Gard. Chron. (Cont.)

Hooper, C. H.

The study of pollination in relation to cherry orchards. Gard. Chron. III, 88: 475-476. D.6, 1930. no.2293.

Lawrence, W.

The holly. Gard. Chron. III, 88: 491. D.13, 1930. no.2294.

Ward, F. K.

The Roosevelt expedition in French Indo-China. IV. On the way to Keng-tung. Gard. Chron. III, 88: 472-473. illus. D.6,1930. no.2293.

Weston, T. A.

The red-leaved Berberis thunbergii. Gard. Chron. III, 88: 492. D.13,1930. no.2294.

Plant prospecting in the Transvaal. Gard. Chron. III, 88: 495-496. illus. D.13,1930. no.2294.

Gard. Chron. Amer.

Jones, D. F.

Blueberries in the garden. Gard. Chron. Amer. 35: 11-12. illus. Ja.1931. no.1.

McCully, A.

Cotoneasters for winter cheer. Gard. Chron. Amer. 35: 7-8. illus. Ja. 1931. no.1.

Guide to Nature (Sound Beach, Conn.)

Reddick, D.

Potato seedballs. Guide to Nature. 23: 22. O./D.1930. no.2.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)

Noack, K. & Kiessling, W.

Zur entstehung des chlorophylls und seiner beziehung zum blutfarbstoff. II. mitteilung. Hoppe-Seyl. Zeitschr. Phys. Chem. 193: 97-137. D.2,1930. no.3/4.

Intern. Bull. Plant Prot.

Dusting and steeping of cereal seeds. (cont.) Intern. Bull. Plant Prot. 4: 167-169. N.1930. no.11.

Iowa State Coll. Journ. Sci. (Ames, Ia.)

Bakke, A.L. & Erwin, A. T.

Hydration in sweet corn. Iowa State Coll. Journ. Sci. 5: 5-14. diagrs. O.1930. no.1.

Dietz, S. M.

The varietal response and inheritance of resistance in barley to Erysiphe graminis hordei p.f.4. Iowa State Coll. Journ. Sci. 5: 25-31. pl.i. O. 1930. no.1.

Journ. Agr. Res. (Washington, D. C.)

Diehl. W. W.

Conidial fructifications in Balansia and Dothichloe. Journ. Agr. Res. 41: 761-766. illus., 2 pl. on 1. D.1,1930 (D.19) no.11.

Harris, J. A. & Pascoe, T. A.

Further studies on the relationship between the concentration of the soil solution and the physicochemical properties of the leaf-tissue fluids of cotton. Journ. Agr. Res. 41: 767-788. D.1,1930. (D.19) no.11.

Huber, G. A.

The Aspergilli and their relation to decay in apples. Journ. Agr. Res. 41: 801-817. illus. D.1,1930 (D.19) no.11.

Pease, V. A.

Notes on the histology of the almond. Journ. Agr. Res. 41: 789-800. illus. D.1, 1930. no.11.

Journ. Amer. Soc. Agron. (Geneva, N. Y.)

Brewbaker, H. K. & Hays, H. K.

Genetic factor relationships in the B-Lg.group in maize. Journ. Amer. Soc. Agron. 22: 1035-1040. D.1930. no.12.

McFadden, E. S.

A successful transfer of emmer characters to vulgare wheat. Journ. Amer. Soc. Agron. 22: 1020-1034. D.1930. no.12.

Martin, J. H.

The comparative drought resistance of sorghums and corn. Journ. Amer. Soc. Agron. 22: 993-1003. D.1930. no.12.

Journ. Amer. Soc. Agron. (cont.)

Stokes, W.E. & Hull, F. H.

Peanut breeding. Journ. Amer. Soc. Agron. 22: 1004-1019. D.1930. no.12.

Journ. Arnold Arb. (Cambridge, Mass.)

Camus, A.

A new Arundinaria from China. Journ. Arnold Arb. 11: 192-193. 0.1930. no.4.

A. fangiana.

Chester, K. S.

Graft-blight of lilac. Journ. Arnold Arb. 11: 232-233. 0.1930. no.4.

Hu, H. H.

Notulae systematicae ad floram sinensem II. Journ. Arnold Arb. 11: 224-228. 0.1930. no.4.

Acer chingii, Schima bambusifolia, Vatica cordata, Gilibertia angustiloba, Sinojackia rehderiana n.spp.

Kobuski, C. E.

A supplement to J.T.P. Byhouwer, "An enumeration of the roses of Yunnan". Journ. Arnold Arb. 11: 228-231. 0.1930. no.4.

Rehder, A.

Ernest Henry Wilson. Journ. Arnold Arb. 11: 181-192. port. 0.1930. no.4.

Sax. H. J.

Chromosome numbers in Quercus. Journ. Arnold Arb. 11: 220-223. 0.1930. no.4.

Sax, K.

Chromosome structure and the mechanism of crossing over. Journ. Arnold Arb. 11: 193-220. pl. 25-26. 0.1930. no.4.

White, C. T.

Note on Darlingia spectatissima F.V. Muell. with description of a new variety. Journ. Arnold Arb. 11: 231. 0.1930. no.4.

Var. ferruginea.

Journ. Bacteriol. (Baltimore)

Allyn, W.P. & Baldwin, I. L.

The effect of the oxidation-reduction character of the medium on the growth of an aerobic form of bacteria. Journ. Bacteriol. 20: 417-437. pl.1. D.1930. no.6.

Journn. Cactus & Succ . Soc. Amer. (Los Angeles)

Brown, N. E.

Mesembs. (cont.) Journ. Cactus & Succ. Soc. Amer. 2: 372-373. illus. D.1930. no.6.

Manning, J.

The cactacean's primer. Viznaga or barrel cactus. Journ. Cactus & Succ. Soc. Amer. 2: 367-370. illus. D.1930. no.6.

West, J.

Pleiospilos bolusii. Journ. Cactus & Succ. Soc. Amer. 2: 363-366. illus. D.1930. no.6.

Journ. Genetics. (London)

Malhotra, R. C.

The sex ration in Asparagus officinalis L. and its artificial modification. Journ. Genetics. 23: 157-172. illus. N.1930. no.2.

Watkins, A. E.

The wheat species: a critique. Journ. Genetics. 23: 173-263. illus. N.1930. no.2.

Journ. Hered. (Washington)

Kearney, T. H.

Genetics of cotton. A survey of our present knowledge (cont.) Journ. Hered. 21: 375-384. illus. Ag. 1930 (Rec'd D.) no.8.

Kendall, J.

A parthenogenetic aberrant tobacco plant. Journ. Hered. 21: 363-366. illus. Ag.1930. no.8.

The plant patent law (concl.) Journ. Hered. 21: 357-362, 369-370. Ag.1930 (Rec'd D.) no.8.

Journ. Roy. Soc. West. Austr. (Perth)

Audas, J. W.

The botanical activities of Max Koch. Journ. Roy. Soc. West. Aust. 15: 83-86, 1929 (Rec'd Ja.1931)

Audas, J.W. & Morris, P. F.

A new species of Persoonia from Western Australia. Journ. Roy. Soc. West. Austr. 15: 81. pl.xiii. 1929 (Rec'd Ja. 1931*

P. coriacea.

Journ. Roy. Soc. West. Aust. (cont.)
Pittman, H. A.
Note on the morphology and endotrophic mycorrhiza of Rhizanthella gardneri, Rogers and certain other western Australian orchids. Journ. Roy. Soc. West. Austr. 15: 71-76. pl.x-xii. 1929. (Rec'd Ja. 1931)

Rogers, R. S.
A new genus of Australian orchid. Journ. Roy. Soc. West. Austr. 15: 1-5. pl.i-ii. 1929(Rec'd Ja.1931)
Rhizanthella gardneri.

Just Liebigs Ann. Chem. (Berlin)
Kögl, F. & Erxleben, H.
Untersuchungen über pilzfarbstoffe. X. Ueber das xylindein, den farbstoffe des grünfaulen holzen (II). Just. Liebigs Ann. Chem. 484: 65-84. D.11, 1930. no.1.

Mitteil, Forstwirtsch. u. Forstwiss. (Hannover)
Falch, R.
Neue mitteilungen über die rotfäule. Mitteil. Forstwirtsch. u. Forstwiss. 1: 525-567. illus., pl.i-iv. 1930. no.4.

Monatsschr. Deut. Kakteen-Ges. (Berlin)
Bödeker, F.
Mamillaria orcuttii Böd., spec. nova. Monatsschr. Deut. Kakteen-Ges. 2: 258-259. illus. D.1930.no.12.

Frič, A. L.
Neowerdermannia Frič gen.n. vorwerkii Frič sp.n. Monatsschr. Deut. Kakteen-Ges. 2: 276-278. illus. D.1930. no.12.

Tischer, A.
Schöne mesembrianthemen und ihre kultur. Monatsschr. Deut. Kakteen-Ges. 2: 267-270. D.1930. no.21

Nat. Greenkeeper (Cleveland, O.)
Crombie, E. A.
Dandelion and plantain eradication. Nat. Greenkeeper 5(1): 14. illus. Je.1930.

Dahl. A. S.
Snow mold and its control. Nat. Greenkeeper 5(1): 10, 12-13, 30. Ja.1931.

Nature (London)
Gates, R. R.
Embryology and evolution. Nature 126: 787-880. D.6, 1930. no.3188.
Comment on Prof. E. W. MacBride's review of recent embryological works (Nature Oct.25, p.639) Reply by Prof. MacBride, p.879-880.

New Zeal. Journ. Agr. (Wellington)
Tennent, R. B.
Club-root in turnips. Ten years' investigation in Otago and Southland. New Zeal. Journ. Agr. 41: 318-325. illus. N.20,1930. no.5.

Proc. Akad. Wetensch. Amsterdam.
Kuilman, L. W.
Physiologische untersuchungen über die anthocyane. Proc. Akad. Wetensch. Amsterdam 33: 876-888. 1930. no.8.

Posthumus, O.
On the ferns of Sumba (Lesser Sunda Islands). Proc. Akad. Wetensch. Amsterdam 33: 871-875. 1930. no.8.

Progr. Agr. & Vitic. (Montpellier)
Merjanian, & Ravaz, L.
Sur la coulure de la vigne. Progr. Agr. & Vitic. 94: 545-550. D.7, 1930. no.49.

Ravaz, L.
Enquete sur le mildiou (suite) Progr. Agr. & Vitic. 94: 542-543. D.7, 1930. no.49.

Protoplasma (Leipzig)
Cholnoky, B. v.
Untersuchungen über den plasmolyse-ort der algenzellen. I-II. Protoplasma 11: 278-297. pl.7. O.1930. no.2.

Dufrenoy, J.
La vacuome des cellules perivasculaires. Protoplasma 11: 301-311. illus. O.1930.no.2.

Kostoff, D.
Protoplasmic viscosity in plants. I-IV. Protoplasma 11: 177-182, 183-189, 190-192, 193-195. illus. O.1930. no.2.
I. Protoplasmic viscosity of dividing cells in floral buds of tobacco. II. Cytoplasmic viscosity in callus tissue. III. Cytoplasmic viscosity in cynipid galls. IV. Cytoplasmic viscosity in tumors of nicotiana hybrids.

Protoplasma (cont.)

Loew, O.
Ueber die chemische natur de eiweisskörper in lebenden zellen. Protoplasma. 11: 196-209. illus. O.1930. no.2.

Postelmann, L. & Ziegenspeck, H.
Die sekretbildung in den drüsenköpfen des kutikularbeutel-typus der pflanzlichen drüsenhaare. Protoplasma 11: 298-302. illus. O.1930. no.2.

Weber, F.
Vakuolenkontraktion und vitalfärbung in blütenzellen. Protoplasma 11: 312-316. illus. O. 1930. no.2.

Weixl-Hofmann, H.
Beiträge zur kenntnis der salzpermeabilität des protoplasten. Protoplasma 11: 210-277. - illus. O.1930. no.2.

Rev. Bot. Appl. (Paris)

Chevalier, A.,
Les cotonniers indigènes du Sénégal et du Soudan. Rev. Bot. Appl. 10: 874-880. N.1930. no.111.

Costantin, J.
Influence de l'altitude en pathologie végétale. Rev. Bot. Appl. 10: 851-860. N.1930. no.111.

Ducke, A.
Les arbres producteurs de "balata". Rev. Bot. Appl. 10: 849-851. N.1930. no.111.
Ecclinusa balata, Sideroxylon resiniferum, n.spp., Mimusops bidentata, Sideroxylon cyrtobotryum.

Dufrenoy, J., Sarejanni, J. & Cristinici,
Taches bactériennes du tabac. Rev. Bot. Appl. 10: 861-867. illus., pl. ix. N.1930. no.111.

Rev. Gén. Bot. (Paris)

Emberger, E.
La végétation de la region Méditerraneenne essai d'une classification des groupements végétaux. IV. La strate herbacée saisonnière. (concl.) Rev. Gén. Bot. 42: 705-721. illus. D.1930. no.504.

Rev. Gén. Bot. (cont.)

Ling-Young, M.

Etude biologique des phénomènes de la sexualité chez les mucorinées (suite). Rev. Gén. Bot. 42: 681-704, 722-752. N., D., 1930. no.503,504.

Pt.II (p.722-752)Observations complementaires sur la membrane des zygospores.

Pelous, L. A.

Étude de l'action des courants électriques alternatifs sur les phénomènes d'osmose et la circulation de l'eau chez les plantes vasculaires (fin). Rev. Gén. Bòt. 42: 663-680. illus. N.1930. no.503.

Rev. Path. Vég. & Entom. Agr. (Paris)

Bordas, J., Joessel, P.H. & Mathieu, G.

Influence du mode d'irrigation sur le développement de l'Oidium du melon, dans la région provençale. Rev. Path. Vég. & Entom. Agr. 17: 380-382. O./N. 1930. no.8/9.

"l'Oidium ou blanc... du melon", developes more rapidly with excessive humidity.

Guinier, P.

La maladie des ormes en France. Rev. Path. Vég. & Entom. Agr. 17: 377-379. O./N. 1930. no.8/9.

Guyot, A. L.

Observations sur la distribution géographique comparée de quelques espèces végétales et de certains de leurs parasites végétaux (1. note). Rev. Path. Vég. & Entom. Agr. 17: 359-365. O./N. 1930. no.8/9.

Hutchins, L.

Une maladie à virus du pêcher (phony peach) Rev. Path. Vég. & Entom. Agr. 17: 383-384. pl.xii-xiii. O./N. 1930. no.8/9.

Kühnholtz, L. G.

Puccinia arenariicola Plow. sur Carex arenaria, aux falaises de Port-en-Dro, près Carnac (Morbiban). Rev. Path. Veg. & Entom. Agr. 17: 376. O./N. 1930. no.8/9.

Rev. Path. Vég. & Entom. Agr. (cont.)
Labrousse F.
La maladie des laitues en Alsace et le Sclerotinia minor Jagger. Rev. Path. Vég. & Entom. Agr. 17: 369-374. pl. xi. O./N. 1930. no.8/9.

Rhodora. (Boston)
Fernald, M. L.
Scirpus pumilus in the Rocky Mountains. Rhodora. 33: 23-24. Ja.1931. no.385.

Raup, H.M.
The formation of peat ridges on the shores of muskeg lakes in northern Alberta. Rhodora. 33: 18-23. illus. Ja.1931. no.385.

Robinson, B. L.
Emile Francis Williams. Rhodora. 33:1-18. port. (front.) Ja.1931. no.385.

Riv. Biol. (Milan)
Zanoni, G.
Auto- ed etero-impollinazione e fenomeni biochimi a cui possono ricondursi. Riv. Biol. 12: 127-144. Ja./Ap. 1930. no.1/2.
Tulipa oculus solus, Pirus communis.

Riv. Patol. Veg. (Pavia)
Montemartini, L.
Note di fitopatologia 6-7. Riv. Patol. Veg. 20: 201-206. S./O. 1930 (Rec'd D.) no.9/10.
6. Osservazioni e considerazioni sopra l'Erysiphe graminis DC. 7. Un'epidemia di Sphaerotheca pannosa (Wallr.) Lév. su Prunus laurocerasus L.

Science (Lancaster, Pa.)
Food value of the sweet potato. Science v.72, no.1878. Suppl. p. xii. D.26,1930. no.1878.
Experiments by Dr. D. B. Jones and his collaborators, Bur.of Chem. & Soils show that the protein ipomoein of sweet potato is richer in the nutritionally-essential amino-acids that compose proteins than the protein obtained from the white variety.

Frear, D. E.
The clarification of plant juices: nitrate concentration in large and small leaves. Science 72: 634-635. D.19,1930. no.1877.

Science (cont.)

Merrill, E. D.

An international botanical address book. Science 72: 652. D.26,1930. no.1878.

Thomas, H. E.

The longevity of Bacillus amylovorus (Burr.) Trev. in association with honey. Science. 72: 634. D.19,1930. no.1877.

Science News Letter(Washington, D. C.)

New disease of onions conquered in three years. Science News Letter 17:413. D.27,1930. no.507.

Experiments of Dr. I.E. Melhus & W.J. Henderson.

Tijdschr. Plantenz. (Amsterdam)

Rietsema, Ir.J.

Weinig bekende ziekten in kers, pruim en perzik. Tijdschr. Plantenz. 36::261-266. 4 pl. on 3. N. 1930. no.11.

Trans. Sapporo Nat. Hist. Soc.

Hada, Y.

The feeding habits of Utricularia. Trans. Sapporo Nat. Hist. Soc. 11: 175-183. illus. 1930. no.3.

In Japanese with English abstract: p.183.

U. intermedia and U. minor.

Homma, Y.

Notes on the Erysiphaceae of Manchuria. Trans. Sapporo Nat. Hist. Soc. 11: 169-174. illus. 1930. no.3.

Uncinula kenjiana, U. salicigracilistylae, n.spp.

Kamei, S.

Notes on Milesina vogesiaca Sydow on Polystichum braunii Fée and its peridermial stage on the needles of Abies mayriana Miyabe et Kudo, A.firma Sieb. et Zucc. and A. sachalinensis Mast. Trans. Sapporo Nat. Hist. Soc. 11: 141-148. illus. 1930. no.3.

Tatewaki, M.

Notes on plants of the western Aleutian Islands collected in 1929. Trans. Sapporo Nat. Hist. Soc. 11. 152-156. 1930. no.3.

Trans. Sapporo Nat. Hist. Soc. (cont.)

Terui, M.

Additional list of the fungi collected in Islands of Rishiri and Rebun, Hokkaido. Trans. Sapporo Nat. Hist. Soc. 11: 157-163. illus. 1930. no.3.

Additions to list by K. Togashi.

Tochinai, Y. & Shimada, S.

Sporotrichum narcissi sp.n. parasitic on narcissus bulbs. Trans. Sapporo Nat. Hist. Soc. 11: 121-128. illus. 1930. no.3.

Yamamoto, I.

On the difference in the vegetation of the north-western and south-eastern slopes of the Yezo-Fuji Mountain. Trans. Sapporo Nat. Hist. Soc. 11: 184-188. 1930. no.3.

In Japanese with English abatract: p.188.

U. S. Dept. Agr. Circ.

Dietz, S. M. & Leach, L. D.

Methods of eradicating buckthorn (Rhamnus) susceptible to crown rust (Puccinia coronata) of oats. U. S. Dept. Agr. Circ. 133. 15 p. illus. 1930.

Quisenberry, K. S. & Clark, J. A.

Hardiness and yield of winter-wheat varieties. U. S. Dept. Agr. Circ. 141. 30.p. D.1930.

Stevens, N. E.

The spread of cranberry false blossom in the United States. U. S. Dept. Agr. Circ. 147. 18 p. illus. Ja. 1931.

U. S. Dept. Agr. Farm. Bull.

Garner, W. W.

Tobacco culture. U. S. Dept. Agr. Farm. Bull. 571, rev. 22 p. illus. N .1930 (D.)

U. S. Dept. Agr. Plant Dis. Rep.

Cranberry false blossom found for the first time in Long Island. U. S. Dept. Agr. Plant Dis. Rep. 14: 245-246. D.15,1930.

Reported by R. B. Wilcox.

U. S. Dept. Agr. Plant Dis. Rep. (cont.)

Texas fungi. U. S. Dept. Agr. Plant Dis. Rep. 14: 240-245. D.15, 1930. no.22.

Zaumeyer, W. J.

Bean diseases in western United States in 1930. U. S. Dept. Agr. Plant Dis. Rep. 14: 228-239. D.15, 1930. no.22.

Univ. Calif. Publ. Agr. Sci. (Berkeley)

Hollingshead, L.

A cytological study of haploid Crepis capillaris plants. Univ. Calif. Publ. Agr. Sci. 6: 107-129. illus., pl. 6-8. 1930.

Vierteljahrsschr. Naturf. Ges. Zürich.

Keller, P.

Die postglaziale waldgeschichte des südlichen Tessin. Vierteljahrsschr. Naturf. Ges. Zürich. 75: 1-34. Je.1930 (Rec'd Ja. 1931) no.1/2.

Kobel, F.

Die verscheidenen formen der sterilität bei unseren obstgewächsen. Vierteljahrsschr. Naturf. Ges. Zürich 75: 56-160. illus. Je. 30,1930 (Rec'd J.1931) no.1/2.

Neuweiler, E.

Pflanzenfunde aus dem spätneolithischen pfahlbau am Utoquai Zürich. Vierteljahrsschr. Naturf. Ges. Zürich 75: 35-40. Je.30,1930(Rec'd Ja.1931) no.1/2.

Vlugschr. Deli Proefstat. Medan.

Kiujper, J.

Boorzuur tegen de topziekte van de tabak. Vlugschr. Deli Proefstat. Medan no.50. 7 p. 1 pl. 1930.

Cause unknown.

Wiss. Arch. Landw. Abt. A. Pflanzenbau. (Berlin)

Niethammer, A.

Landwirtschaftliche-biologische studien mit nickel- und cyanverbindungen. (Gleichzeitig ein beitrag zur allgemeinen biologie der samen und früchte). Wiss. Arch. Landw. Abt. A. Pflanzenbau. 4: 607-634. illus. D.1,1930. no.4.

Zeitschr. Gesamte Getreidew. (Berlin)
Strilciuc, D.
Beitrag zur mikrophotographie der getreidearten einschliesslich mais, hirse, buchweizen sowie der leguminosen (cont.) Zeitschr. Gesamte Getreidew. 17: 232-244. 4 pl. on 2. N.1930. No.11.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)
Letellier, A.
Etude génétique de la duplicature. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 57: 1-36. illus. 1930. no.1.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. (Leipzig)
Rippel, A.
Kieselsäure-gehalt und exaktheit der chemischen pflanzenanalyse. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. 18: 336-341. 1930. no.5/6.

Exper. Stat. Publ.
Gardner, W. A.
Botany and plant pathology. Alabama Agr. Exp. Stat. Ann. Rep. 40: 21-22. 1929 (Rec'd D.1930)

Arkansas agricultural experiment station.
Plant pathology. In its Ann. Rep. 42: 72-85. illus. N.1930.
Rice investigations - Cotton wilt studies- Etiology and control of leafblight and downy mildew of cantaloupes - Grape spraying experiments - seed treatments of field corn.- Relationship of different species of pomaceous hosts to the overwintering of the fire blight germ. - Etiology of tip and margin burning of Irish potatoes.
V.H. Young, H.R. Rosen & E. C. Tullis.

Morse, F.W.
A chemical study of cranberries. Massachusetts Agr. Exp. Stat. Bull. 265: 89-101. O.1930(Rec'd Ja. 1931)

Waugh, F.A. & Thompson, C.H
Hardy woody plants. Massachusetts Agr. Exp. Stat. Bull. 267: 148-182. illus. O.1930 (Rec'd D.)
Tree and shrubs on grounds of Massachusetts agricultural college.

Exper. Stat. Publ. (cont.)

Oregon agricultural experiment station.
Department of botany and plant pathology.
In its Director's Bienn. Rep. 1928-30: 78-82.
S.1930.
H.P. Barss, chief.

State Publications.

Thomas, H. E.
Pear scab. Month. Bull. Dept. Agr. Calif.
19: 761-765. N.1930. no.11.

New Books.

Bailey, L. H. & Bailey, E.Z.
Hortus. A concise dictionary of gardening, general horticulture and cultivated plants in North America. New York, Macmillan Co.,1930.

Buchner, P.
Tier und pflanze in symbiose. 2. völlig umgearb. und erweit. aufl. von "Tier und pflanze in intrazellularer symbiose". Berlin, Borntraeger, 1930.

Chamberlain, C. J.
Elements of plant science. New York, McGraw-Hill Book Co., 1930.

Colback, A. E.
... Contributions à l'étude des riz du Sambirano...
Paris, 1930.

Conference on tobacco diseases and nutritional problems. Washington, 1929.
Report. [Washington, 1930]
Mimeographed.

East Indies (Dutch) Dept. van landbouiw nijverheid en handel. Afdeelinghandel.
Handbook of the Netherlands East-Indies, 1930.
Flora and nature reserves: p.19-34; Horticulture: p.193-203.

Flora of tropical Africa. ed. by Sir David Prain.
v.9, pt.5, (Gramineae) London, L. Reeve, 1930.

New Books (cont.)

Hottes, A. C.
The home gardener's pronouncing dictionary. Des Moines, Meredith publishing company, 1930.

Hu, H.H. & Chun, W.-Y., ed.
Icones plantarum sinicarum, fasc.ii. Shanghai, Commercial press, Ag.1929.

Italy. Ministero delle finanze.
Botanica. In its Pubblicazioni edite dallo stato o col suo concorso spoglio dei periodici e delle opere collettivo 1901-1925. Roma, 1928. pte.2. [v.2] col. 1747-1788. [n.336-341]

Jones, C. F.
South America. New York, H.Holt & Co.,1930.

Maximov, N. A.
A textbook of plant physiology New York, McGraw-Hill Book Co., 1930.
Trans. from Russian. Ed. by A.E.Murneek and R.B. Harvey.

Solereder, H. & Meyer, F.J.
Systematische anatomie der monokotyledonen h.6, Scitamineae - Microspermae. Berlin, Borntraeger, 1930.

Wildeman, E.de.
Contribution à l'étude de la flore du Katanga. suppl. 1 & 2. Bruxelles, D. Reynaert, D. 1927 - Ja.1929.

Translations filed in Library of Bur. of Plant Industry.

Floderer, A. & Herke. A.
Ueber die verteilung des zuckers sowie der nichtzuckerstoffe in der zuckerrübe (On the distribution of sugar and non-sugar in the sugar beet). Oesterr.-Ungar. Zeitschr. Zuckerind. & Landw. 40: 385-397. 1911.

Marchal, E.
Les maladies à virus filtrants en pathologie végétale (Filter passing virus diseases in plant pathology) Ann. Gembloux. 36: 177-195. Je.1930.

Translations (cont.)

Munerati, O.

L'hérédité de l'albinisme en Beta vulgaris L. (Heredity of albinism in Beta vulgaris L.) Verh. V. Intern. Kongr. Vererbungswiss. Berlin 1927. 2: 1137-1142. 1928.

Munerati, O.

Observations sur la duree du cycle de la betterave (Observations on the length of the life cycle of the beet). Compt. Rend. Acad. Sci. Paris 190: 647-649. Mr.10,1930.

Munerati, O.

La possibilité d'obtenir plusieurs générations de Beta vulgaris dans l'espèce d'une année (On the possibility of obtaining several generations of Beta vulgaris in the course of one year). Zeitschr. Indukt. Abstamm. u. Vererbungsl. 49: 163-165. 1929.

Non-Current Indexing.

Ann. Acad. Sci. Colon. (Paris)

Caty, R.

Les exigences et les aptitudes du dattier. Ann. Acad. Sci. Colon. 3: 227-293. 1929.

Austral. Journ. Exper. Biol. & Med. Sci. (Adelaide)

Cheney, G. M.

"Black-heart" of apricots in Victoria. Austral. Journ. Exp. Biol. & Med. Sci. 7: 91-100. illus., pl. 1-4. Je.16, 1930. no.1/2.

Caused by Verticillium (V.dahliae or strain of V. albo-atrum).

Bergcultures (Batavia, Java)

Demonstratie van zwavelbestuivingen tegen meeldauw. Bergcultures 4: 112-125. illus. F.1,1930. no.5.

Demonstration of sulphur dusting against mildew of rubber.

Maas, J. G. J. A.

Meeldaubestrijdingsproeven bij 's lands caoutchoucbedrijf in 1929. Bergcultures 4:386-394. Ap. 1930. no.15.

Non Current Indexing. (cont.)

Bot. Gaz. (Chicago)

Erlanson, E. W.

Cytological conditions and evidence for hybridity in North American wild roses. Bot. Gaz. 87: 443-506. illus., pl. xvi-xix. My. 1929. no.4.

Hill, J. B.

Matrocliny in flower size in reciprocal F hybrids between Digitalis lutea and Digitalis purpurea. Bot. Gaz. 87: 548-555. illus. My. 1929. no.4.

Ling. G.K.K., Godkin, J. & Edgecombe, E. A.

Further agglutination tests with phytopathogenic bacteria. Bot. Gaz. 87: 531-547. My. 1929. no.4.

Martin, G. W.

Three new dinoflagellates from New Jersey. Bot. Gaz. 87: 556-558. illus. My.1929. no.4.

Prorocentrum triangulatum, Amphidinium fusiforme, Polykrikos barnegatensis.

Smith, C. M.

Development of Dionaea muscipula. I. Flower and seed. Bot. Gaz. 87: 507-530. illus., pl. xx-xxiv. My1929. no.4.

Centralbl. Zuckerind. (Magdeburg)

Paasch, E.

Ursache und bekämpfung der herz- und trockenfäule. Centralbl. Zuckerind. 38: 403-405. Ap.5, 1930. no.14.

Contr. Yale Univ. Osborn Bot. Lab.

Deuber, C. G.

The pigments present in green leaves. The chloroplasts occurring in plants have important theoretical and practical aspects. Contr. Yale Univ. Osborn Bot. Lab. [6] [2] p. [1929]

Reprinted from Yale Sci. Mag. v.3, no.3. Mr.1929.

Nichols, G. E.

The Marsh botanical garden and the Yale natural preserve. Contr. Yale. Univ. Osborn Bot. Lab. [7] [3] p. illus. [1929]

Reprinted from Yale Sci. Mag., v.3, no.4. My.1929.

Non Current Indexing. (cont.)

Giorn. Agr. della Domenica.

Ferraris, T.

L'elimintosporiosi del riso. Giorn. Agr. della Domenica 40: 18. illus. Ja.12, 1930. no.2.

In French in Bull. Econ. Indochine. 33: 607B-611B. illus. Ag.1930.

Madroño. (San Francisco)

Howell, J. T.

The flora of the Santa Ana Cañon region. Madrono 1: 243-253. 1929. no.17.

Jepson, W. L.

The botanical explorers of California VI. Madroño. 1: 262-270. ports. D.1929. no.17.

Archibald Menzies, Daniel Cleveland, Harley Pierce Chandler.

Jepson, W.L.

Charles Russell Orcutt, natural history collector. Madroño 1: 273-274. D.1929. no.17.

Jepson, W. L.

Johann Friederich Eschscholtz. Madroño 1: 253. port. (front.) D.1929. no.17.

Jepson, W.L.

Sertulum californiense. I. Madrono 1: 254-260. D.1929. no.17.

Chaenactis peirsonii & Orobanche valida n.spp.

Jepson, W.L.

A revision of Californian Umbelliferae. V. Madroño 1: 281-285. D.1929. no.17.

Weeks, I. T.

The life form and habitat of Eriogonum deserticola Wats. Madroño 1: 260-261. D.1929. no.17.

Mikrochemie.

Kisser, J.

Die bedeutung der methoden der botanischen mikrotechnik für die pflanzliche mikrochemie und histochemie. Mikrochemie 1929, Pregl-Festschrift p.178-191.

Non Current Indexing. (cont.)

Mikrochemie (cont.)

Niethammer, A.

Ueber die bedeutung u. verwendbarkeit mikrochemischer reaktionen fur permeabilitatsstudien an pflanzen. Mikrochemie n.s., 1(v.7): 314-317. 1929.

Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) (Krakow)

Barbacki, S.

Z badań mad jeczmieniem. Cz.I- Studies on barley I). I. Some problems on variability and inheritance of morphological characters. Pam. Państw. Inst. Nauk Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulaway) 10: 126-162. illus. 1929. no.1.

Kochman, J.

Studja biologiczne nad pasorzytem wierzby Fusicladium saliciperdum (Al.et Tub.) Lind. (Biological studies on willow scab fungus, Fusicladium saliciperdum (All. et Tub.) Lind.) Pam. Państw. Inst. Nauk Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulaway) 10: 555-573. illus., pl. 1929.

Polish with English summary.

Lewicki, S.

Barwniki jeczmion i owsów (Pigments in barley and oats). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach. (Mém. Inst. Nat. Polon. Econ. Rur. Pulaway) 10: 342-362. 1929. no.2.

Polish with English summary.

Lewicki, S.

Barwniki kłosowe i ich fizjologiczne znaczenie u pszenicy i u Aegilops (The problem of pigmentation in the ears of wheat and Aegilops and its physiological significance). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulaway) 10: 293-341. 1929. no.2.

Polish with English summary.

Lewicki, S.

Studja mad prosem (Panicum miliaceum L.) (L'étude sur la millet... pt.II. The morphological characters and agricultural value of the different forms). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulaway 10: 53-98. illus. 1929. no.1.

Polish with English summary.

Non Current Indexing. (cont.)

Proc. Leeds Phil. & Lit. Soc. Sci. Sect.

Grainger, J.

An infectious chlorosis of the dock. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 1: 360. 1 pl. 1929. no.8.

Pearsall, W.H. & Wright, A.

The proportions of soluble and insoluble nitrogenous materials in fresh and dried plant tissue. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2: 27-31. 1929. no.1.

Tupper-Carey, R.M.

The development of the hypocotyl of Helianthus annuus considered in connection with its geotropic curvatures. Proc. Leeds Phil. & Lit. Socl Sci. Sect. 1: 361-368. i pl. 1929. no.8.

Proc. Nat. Acad. Sci.

Blakeslee,, A. F. & Cleland, R. E.

Circle formation in Datura and Oenothera. Proc. Nat. Acad. Sci. 16: 177-183. Mr.15,1930. no.3.

Buchholz, J. T. & Blakeslee, A. F.

Pollen-tube growth of the primary mutant of Datura, rolled, and its two secondaries. Proc. Nat. Acad. Sci. 16: 190-195. illus. Mr.15,1930. no.3.

Cleland, R.E. & Blakeslee, A.F.

Interaction between complexes as evidences for segmental interchange in Oenothera. Proc. Nat. Acad. Sci. 16: 183-189. Mr.15, 1930. no.3.

East, E.M.

The origin of the plants of maternal type which occur in connection with interspecific hybridizations. Proc. Nat. Acad. Sci. 16: 377-380. Je.15,1930. no.6.

Experiments with Nicotiana and Fragaria.

Sturtevant, A. H. & Dobzhansky, T.

Reciprocal translocations in Drosophila and their bearing on Oenothera cytology and genetics. Proc. Nat. Acad. Sci. 16: 533-536. Ag 1930. no.8.

Non Current Indexing. (cont.)

[Publ.] Congr. Intern. Oleicult.

Accidents, maladies, bactériennes et cryptogamiques. [Publ.] Congr. Intern. Oléicult. 9th, 1928, 2: 326-335. illus. 1929.

Chabrolin, C.

Importance économique des maladies de l'olivier en Tunisie. [Publ.] Congr. Intern. Oléicult. 9th, 1928, 2: 268-271. 1929.

Petri, L.

Au sujet d'une forme particulière des taches des feuilles de l'olivier. [Publ.] Congr. Intern. Oléicult. 9th, 1928, 2: 265-268. illus. 1929.

Cycloconium oleaginum.

Trudy Belorussk. Nauchno-Issled. Inst. Sel'sk i Lesn. Khoz. V.I. Lenina. (Bull. White Russian Lenin's Inst. Sci. Res. Agr. & For.) (Minsk)

Danovich, N. D. & Krynkin, F.K.

... Zur vergleichenden histologie der vegetativen organe einiger kartoffelsorten, früher, mittlerer und später. Trudy Beloruss. Nauchno-Issled. Inst. Sel'sk. i Lesn. Khoz. V. I. Lenina. (Bull. White Russian Lenin's Inst. Sci. Res. Agr. & For.) v.16, no.1. 73 p. illus., plates. 1929.

White Russian with German summary.

Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) (Leningrad)

Kachinoni-Valther, L. S.

...Germination and seedling growth of tobacco in relation to hydrogen ion concentration. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Plant. Acclim. Detsk. Sselo) 4: 11-30. 1927.

Russian with English summary.

Kachioni-Walther, L. S.

... On the influence of different sources of nitrogen on the development of tobacco. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) 8: 77-112. 1929.

Russian with English summary

Non Current Indexing. (cont.)

Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) (cont.)

Kossovich, N.L.
The absorption of nitrate by tobacco in connection with pH and with different concentrations of nitrate. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) 8: 31-76. 1929.
Russian with English summary.

Krasovskaja, I. V.
The absorption of water and salts by the tobacco plant in relation to hydrogen ion concentration. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Plant Acclim. Detsk. Sselo) 4: 31-54. 1927.
Russian with English summary.

Miller, M. S.
... On the influence of soil reaction on tobacco growth. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) 8: 9-30. 1929.
Russian with English summary.

Pinevich, L.
... The chlorophyll content of the leaves of Nicotiana tabacum and Nicotiana rustica under different conditions of mineral nutrition and pH. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) 8: 121-135. 1929.
Russian with English summary.

Pinevich, L.
... Investigations on the chlorosis of tobacco plants. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Plant Acclim. Detsk. Sselo) 4: 55-92. illus., 3 pl. 1927.
Russian with English summary.

Pinevich, L.
... On the determination of the chlorophyll content of Nicotiana tabacum. (Preliminary note) Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk. Sselo) 8: 113-120. 1929.
Russian with English summary.

Non Current Indexing. (cont.)

Trudy Detskosel. Akklim. Stan. (Bull. Stat. Acclim. Detsk.
Sselo) (cont.)

Walther, O. A.
... Why do we study the influence of pH on cultivated plants. Trudy Detskosel. Akklim. Stan. (Bull. Stat. Plant Acclim. Detsk. Sselo) 4: 1-10. illus. 1927.
Russian with English summary.

Ugeskr. Landmaend.

Greve, M.
Plantesygdomme og skadedyr, deres forekomst og skadelighed. Ugeskr. Landmaend. 75: 225-228. Ap.11, 1930. no.15.